Start	6122	End	6223
Name	OJ990504_06.9C17.C2.o3.gs	Method	GENSCAN
Start	6122	End	6223
GI	none	Score	.62
Exons	6122..6223		

Seq. No.	25938	Seq. ID	OJ990504_06.9C17.C4
Gene No.	53853	Strand	+
Start	81	End	3000
Name	OJ990504_06.9C17.C4.o1.gs	Method	GENSCAN
Start	81	End	2709
GI	none	Score	.77
Exons	81..83, 633..695, 1796..1948, 2341..2709		

Seq. No.	25938	Seq. ID	OJ990504_06.9C17.C4
Gene No.	53853	Strand	+
Start	81	End	3000
Name	OJ990504_06.9C17.C4.o1.gp	Method	AAT/GAP
Start	1646	End	2190
GI	5038556	Score	1026
Exons	1646..2190		
GI Descrip.	4567314/gb|AAD23725.1|AC005956_14 2.0e-34 (AC005956) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25938	Seq. ID	OJ990504_06.9C17.C4
Gene No.	53853	Strand	+
Start	81	End	3000
Name	OJ990504_06.9C17.C4.o1.tc	Method	TBLASTX:Cress
Start	1660	End	1981
GI	none	Score	251
Exons	1660..1851, 1676..1852, 1883..1915, 1913..1951, 1916..1981		

Seq. No.	25938	Seq. ID	OJ990504_06.9C17.C4
Gene No.	53853	Strand	+
Start	81	End	3000
Name	OJ990504_06.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	1661	End	1909
GI	none	Score	367
Exons	1661..1909, 1669..1908		

Seq. No.	25938	Seq. ID	OJ990504_06.9C17.C4
Gene No.	53853	Strand	+
Start	81	End	3000
Name	OJ990504_06.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	1661	End	1866
GI	none	Score	330
Exons	1661..1864, 1666..1866		

Seq. No.	25938	Seq. ID	OJ990504_06.9C17.C4
Gene No.	53853	Strand	+
Start	81	End	3000
Name	OJ990504_06.9C17.C4.o1.np	Method	AAT/NAP
Start	1670	End	3000
GI	4567315	Score	427
Exons	1670..1948, 2341..2477, 2982..3000		
GI Descrip.	(AC005956) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25939	Seq. ID	OJ990504_06.9C17.C5
Gene No.	53854	Strand	-
Start	626	End	920
Name	OJ990504_06.9C17.C5.o1.gs	Method	GENSCAN
Start	626	End	920
GI	none	Score	.5
Exons	626..739, 871..920		

Seq. No.	25940	Seq. ID	OJ990504_06.9C17.C6
Gene No.	53855	Strand	+
Start	403	End	503
Name	OJ990504_06.9C17.C6.o1.gs	Method	GENSCAN
Start	403	End	503
GI	none	Score	.46
Exons	403..503		

Seq. No.	25940	Seq. ID	OJ990504_06.9C17.C6
Gene No.	53856	Strand	-
Start	406	End	933
Name	OJ990504_06.9C17.C6.o1.np	Method	AAT/NAP
Start	406	End	933
GI	6539585	Score	126
Exons	406..479, 762..933		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	25941	Seq. ID	OJ990504_06.9C17.C7
Gene No.	53857	Strand	+
Start	153	End	282
Name	OJ990504_06.9C17.C7.o1.gp	Method	AAT/GAP
Start	153	End	282
GI	17488_1.R1084	Score	208
Exons	153..282		
GI Descrip.	'3005931/emb|CAA06290| 1.0e-104 (AJ005016) ABC transporter [Homo sapiens]'		

Seq. No.	25942	Seq. ID	OJ990504_06.9C17.C8
Gene No.	53858	Strand	-
Start	32	End	83
Name	OJ990504_06.9C17.C8.o1.gs	Method	GENSCAN
Start	32	End	83
GI	none	Score	.4
Exons	32..83		

Seq. No.	25943	Seq. ID	OJ990504_06.9C17.C9
Gene No.	53859	Strand	-
Start	300	End	1884
Name	OJ990504_06.9C17.C9.o1.gp	Method	AAT/GAP
Start	300	End	911
GI	LIB3432-036-P2-K1-A10	Score	961
Exons	300..561, 673..911		
GI Descrip.	'5668808/gb|AAD46034.1|AC007519_19 3.0e-10 (AC007519) F16N3.20 [Arabidopsis thaliana]'		

Seq. No.	25943	Seq. ID	OJ990504_06.9C17.C9
Gene No.	53859	Strand	-
Start	300	End	1884
Name	OJ990504_06.9C17.C9.o1.gs	Method	GENSCAN

Start	357	End	1876
GI	none	Score	.59
Exons	357..428, 899..1876		

Seq. No.	25943	Seq. ID	OJ990504_06.9C17.C9
Gene No.	53859	Strand	-
Start	300	End	1884
Name	OJ990504_06.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	650	End	1876
GI	none	Score	63
Exons	650..751, 670..750, 741..764, 905..1492, 981..1094, 992..1132, 1176..1505, 1499..1876, 1560..1721		

Seq. No.	25943	Seq. ID	OJ990504_06.9C17.C9
Gene No.	53859	Strand	-
Start	300	End	1884
Name	OJ990504_06.9C17.C9.o1.np	Method	AAT/NAP
Start	670	End	1884
GI	2252840	Score	994
Exons	670..759, 899..1250, 1314..1884		
GI Descrip.	(AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] gi|6049882|gb|AAF02797.1|AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	25943	Seq. ID	OJ990504_06.9C17.C9
Gene No.	53859	Strand	-
Start	300	End	1884
Name	OJ990504_06.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	670	End	1876
GI	none	Score	84
Exons	670..765, 902..1498, 981..1094, 1158..1499, 1502..1876		

Seq. No.	25943	Seq. ID	OJ990504_06.9C17.C9
Gene No.	53859	Strand	-
Start	300	End	1884
Name	OJ990504_06.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	902	End	1690
GI	none	Score	159
Exons	902..1183, 960..1091, 1217..1690, 1221..1502		

Seq. No.	25943	Seq. ID	OJ990504_06.9C17.C9
Gene No.	53859	Strand	-
Start	300	End	1884
Name	OJ990504_06.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	1220	End	1579
GI	none	Score	146
Exons	1220..1522, 1221..1499, 1502..1579		

Seq. No.	25943	Seq. ID	OJ990504_06.9C17.C9
Gene No.	53859	Strand	-
Start	300	End	1884
Name	OJ990504_06.9C17.C9.o2.tc	Method	TBLASTX:Cress
Start	1691	End	1882
GI	none	Score	176
Exons	1691..1882		

Seq. No.	25944	Seq. ID	OJ990504_06.9C17.C10
Gene No.	53860	Strand	+
Start	983	End	1120
Name	OJ990504_06.9C17.C10.o1.gp	Method	AAT/GAP
Start	983	End	1120
GI	LIB3474-009-P1-K1-F11	Score	223
Exons	983..1120		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	25944	Seq. ID	OJ990504_06.9C17.C10
Gene No.	53861	Strand	-
Start	1	End	271
Name	OJ990504_06.9C17.C10.o1.np	Method	AAT/NAP
Start	1	End	271
GI	4914456	Score	155
Exons	1..271		
GI Descrip.	(AL050400) putative protein [Arabidopsis thaliana]		

Seq. No.	25944	Seq. ID	OJ990504_06.9C17.C10
Gene No.	53861	Strand	-
Start	1	End	271
Name	OJ990504_06.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	194
GI	none	Score	158
Exons	1..111, 3..194		

Seq. No.	25945	Seq. ID	OJ990504_06.9C17.C11
Gene No.	53862	Strand	-
Start	401	End	2750
Name	OJ990504_06.9C17.C11.o1.gs	Method	GENSCAN
Start	401	End	1835
GI	none	Score	.42
Exons	401..690, 737..863, 1117..1246, 1712..1835		

Seq. No.	25945	Seq. ID	OJ990504_06.9C17.C11
Gene No.	53862	Strand	-
Start	401	End	2750
Name	OJ990504_06.9C17.C11.o3.tm	Method	TBLASTX:Maize
Start	1091	End	1384
GI	none	Score	78
Exons	1091..1192, 1197..1340, 1202..1384, 1272..1349		

Seq. No.	25945	Seq. ID	OJ990504_06.9C17.C11
Gene No.	53862	Strand	-
Start	401	End	2750
Name	OJ990504_06.9C17.C11.o2.tw	Method	TBLASTX:Wheat
Start	1493	End	1858
GI	none	Score	97
Exons	1493..1654, 1493..1618, 1494..1724, 1528..1773, 1670..1858		

Seq. No.	25945	Seq. ID	OJ990504_06.9C17.C11
Gene No.	53862	Strand	-
Start	401	End	2750
Name	OJ990504_06.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	1586	End	2057

GI	none	Score	68
Exons	1586..1618, 1590..1667, 1685..1819, 1685..2056, 1839..2057		

Seq. No.	25945	Seq. ID	OJ990504_06.9C17.C11
Gene No.	53862	Strand	-
Start	401	End	2750
Name	OJ990504_06.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	1955	End	2506
GI	none	Score	117
Exons	1955..2071, 2099..2137, 2144..2290, 2157..2411, 2286..2360, 2360..2506		

Seq. No.	25945	Seq. ID	OJ990504_06.9C17.C11
Gene No.	53862	Strand	-
Start	401	End	2750
Name	OJ990504_06.9C17.C11.o4.tm	Method	TBLASTX:Maize
Start	2099	End	2314
GI	none	Score	110
Exons	2099..2314, 2100..2282		

Seq. No.	25945	Seq. ID	OJ990504_06.9C17.C11
Gene No.	53862	Strand	-
Start	401	End	2750
Name	OJ990504_06.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	2129	End	2521
GI	none	Score	139
Exons	2129..2350, 2336..2521		

Seq. No.	25945	Seq. ID	OJ990504_06.9C17.C11
Gene No.	53862	Strand	-
Start	401	End	2750
Name	OJ990504_06.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	2360	End	2750
GI	none	Score	48
Exons	2360..2518, 2523..2750, 2542..2634, 2622..2747		

Seq. No.	25946	Seq. ID	OJ990504_06.9C17.C12
Gene No.	53863	Strand	-
Start	33	End	1367
Name	OJ990504_06.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	6	End	710
GI	none	Score	46
Exons	6..185, 159..653, 672..710		

Seq. No.	25946	Seq. ID	OJ990504_06.9C17.C12
Gene No.	53863	Strand	-
Start	33	End	1367
Name	OJ990504_06.9C17.C12.o1.gs	Method	GENSCAN
Start	33	End	1367
GI	none	Score	.48
Exons	33..151, 365..1367		

Seq. No.	25946	Seq. ID	OJ990504_06.9C17.C12
Gene No.	53863	Strand	-
Start	33	End	1367
Name	OJ990504_06.9C17.C12.o1.tw	Method	TBLASTX:Wheat
Start	78	End	491

GI	none	Score	132
Exons	78..491, 79..489		

Seq. No.	25946	Seq. ID	OJ990504_06.9C17.C12
Gene No.	53863	Strand	-
Start	33	End	1367
Name	OJ990504_06.9C17.C12.o2.tw	Method	TBLASTX:Wheat
Start	706	End	1061
GI	none	Score	89
Exons	706..891, 711..935, 936..1061, 937..1005		

Seq. No.	25947	Seq. ID	OJ990504_06.9C17.C15
Gene No.	53864	Strand	-
Start	57	End	885
Name	OJ990504_06.9C17.C15.o1.gs	Method	GENSCAN
Start	57	End	555
GI	none	Score	.78
Exons	57..227, 469..555		

Seq. No.	25947	Seq. ID	OJ990504_06.9C17.C15
Gene No.	53864	Strand	-
Start	57	End	885
Name	OJ990504_06.9C17.C15.o1.np	Method	AAT/NAP
Start	174	End	885
GI	5042454	Score	192
Exons	174..227, 469..639, 826..885		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	25948	Seq. ID	OJ990504_06.9C17.C16
Gene No.	53865	Strand	
Start	8	End	421
Name	OJ990504_06.9C17.C16.o1.tw	Method	TBLASTX:Wheat
Start	8	End	421
GI	none	Score	367
Exons	8..421, 10..420		

Seq. No.	25949	Seq. ID	OJ990504_06.9C17.C17
Gene No.	53866	Strand	+
Start	393	End	499
Name	OJ990504_06.9C17.C17.o1.gs	Method	GENSCAN
Start	393	End	499
GI	none	Score	.64
Exons	393..499		

Seq. No.	25950	Seq. ID	OJ990504_06.9C17.C18
Gene No.	53867	Strand	-
Start	1	End	852
Name	OJ990504_06.9C17.C18.o1.gp	Method	AAT/GAP
Start	1	End	852
GI	5002953	Score	876
Exons	1..33, 94..505, 765..852		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25950	Seq. ID	OJ990504_06.9C17.C18
Gene No.	53867	Strand	-
Start	1	End	852

Name	OJ990504_06.9C17.C18.o1.tw	Method	TBLASTX:Wheat
Start	3	End	851
GI	none	Score	94
Exons	3..155, 4..120, 159..320, 181..303, 338..679, 390..650, 651..851, 712..837		

Seq. No.	25950	Seq. ID	OJ990504_06.9C17.C18
Gene No.	53867	Strand	-
Start	1	End	852
Name	OJ990504_06.9C17.C18.o1.np	Method	AAT/NAP
Start	49	End	852
GI	6742729	Score	595
Exons	49..852		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	25950	Seq. ID	OJ990504_06.9C17.C18
Gene No.	53867	Strand	-
Start	1	End	852
Name	OJ990504_06.9C17.C18.o1.tc	Method	TBLASTX:Cress
Start	168	End	593
GI	none	Score	69
Exons	168..320, 181..303, 338..589, 390..593		

Seq. No.	25950	Seq. ID	OJ990504_06.9C17.C18
Gene No.	53867	Strand	-
Start	1	End	852
Name	OJ990504_06.9C17.C18.o1.tm	Method	TBLASTX:Maize
Start	524	End	840
GI	none	Score	89
Exons	524..664, 564..647, 566..652, 660..839, 712..840		

Seq. No.	25951	Seq. ID	OJ990504_06.9C17.C19
Gene No.	53868	Strand	-
Start	1	End	1591
Name	OJ990504_06.9C17.C19.o1.np	Method	AAT/NAP
Start	1	End	1591
GI	4680203	Score	1213
Exons	1..1591		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25951	Seq. ID	OJ990504_06.9C17.C19
Gene No.	53868	Strand	-
Start	1	End	1591
Name	OJ990504_06.9C17.C19.o2.ts	Method	TBLASTX:Soybean
Start	115	End	349
GI	none	Score	98
Exons	115..348, 194..349		

Seq. No.	25951	Seq. ID	OJ990504_06.9C17.C19
Gene No.	53868	Strand	-
Start	1	End	1591
Name	OJ990504_06.9C17.C19.o1.tm	Method	TBLASTX:Maize
Start	184	End	627
GI	none	Score	80
Exons	184..378, 382..627, 386..577		

Seq. No.	25951	Seq. ID	OJ990504_06.9C17.C19

Gene No.	53868	Strand	-
Start	1	End	1591
Name	OJ990504_06.9C17.C19.o1.tw	Method	TBLASTX:Wheat
Start	218	End	684
GI	none	Score	102
Exons	218..406, 223..378, 347..517,	409..525, 423..521, 424..534,	
	526..630, 533..619, 631..684,	641..676	

Seq. No.	25951	Seq. ID	OJ990504_06.9C17.C19
Gene No.	53868	Strand	-
Start	1	End	1591
Name	OJ990504_06.9C17.C19.o1.tc	Method	TBLASTX:Cress
Start	472	End	802
GI	none	Score	53
Exons	472..801, 473..547, 514..618,	569..628, 665..802	

Seq. No.	25951	Seq. ID	OJ990504_06.9C17.C19
Gene No.	53868	Strand	-
Start	1	End	1591
Name	OJ990504_06.9C17.C19.o1.ts	Method	TBLASTX:Soybean
Start	550	End	969
GI	none	Score	101
Exons	550..798, 554..799, 848..967,	850..969	

Seq. No.	25951	Seq. ID	OJ990504_06.9C17.C19
Gene No.	53868	Strand	-
Start	1	End	1591
Name	OJ990504_06.9C17.C19.o2.tw	Method	TBLASTX:Wheat
Start	697	End	1248
GI	none	Score	60
Exons	697..801, 707..802, 848..1009,	850..1248	

Seq. No.	25952	Seq. ID	OJ990504_06.9C17.C20
Gene No.	53869	Strand	+
Start	150	End	445
Name	OJ990504_06.9C17.C20.o1.gs	Method	GENSCAN
Start	150	End	445
GI	none	Score	.58
Exons	150..445		

Seq. No.	25953	Seq. ID	OJ990504_06.9C17.C23
Gene No.	53870	Strand	-
Start	1	End	1610
Name	OJ990504_06.9C17.C23.o1.np	Method	AAT/NAP
Start	1	End	1610
GI	6175162	Score	608
Exons	1..33, 812..1610		
GI Descrip.	(AC011437) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	25953	Seq. ID	OJ990504_06.9C17.C23
Gene No.	53870	Strand	-
Start	1	End	1610
Name	OJ990504_06.9C17.C23.o1.gs	Method	GENSCAN
Start	759	End	1466
GI	none	Score	.87
Exons	759..1466		

Seq. No.	25953	Seq. ID	OJ990504_06.9C17.C23
Gene No.	53870	Strand	-
Start	1	End	1610
Name	OJ990504_06.9C17.C23.o1.tm	Method	TBLASTX:Maize
Start	1029	End	1355
GI	none	Score	136
Exons	1029..1217, 1030..1224, 1111..1308, 1119..1313, 1149..1355, 1288..1347		

Seq. No.	25953	Seq. ID	OJ990504_06.9C17.C23
Gene No.	53870	Strand	-
Start	1	End	1610
Name	OJ990504_06.9C17.C23.o1.tw	Method	TBLASTX:Wheat
Start	1029	End	1346
GI	none	Score	100
Exons	1029..1133, 1030..1134, 1140..1346, 1140..1313, 1294..1338		

Seq. No.	25953	Seq. ID	OJ990504_06.9C17.C23
Gene No.	53870	Strand	-
Start	1	End	1610
Name	OJ990504_06.9C17.C23.o1.ts	Method	TBLASTX:Soybean
Start	1047	End	1361
GI	none	Score	265
Exons	1047..1313, 1048..1314, 1101..1361		

Seq. No.	25953	Seq. ID	OJ990504_06.9C17.C23
Gene No.	53870	Strand	-
Start	1	End	1610
Name	OJ990504_06.9C17.C23.o1.tc	Method	TBLASTX:Cress
Start	1093	End	1313
GI	none	Score	143
Exons	1093..1305, 1095..1313		

Seq. No.	25954	Seq. ID	OJ990504_06.9C17.C25
Gene No.	53871	Strand	-
Start	1	End	384
Name	OJ990504_06.9C17.C25.o1.np	Method	AAT/NAP
Start	1	End	384
GI	6907089	Score	310
Exons	1..384		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	25954	Seq. ID	OJ990504_06.9C17.C25
Gene No.	53872	Strand	-
Start	3869	End	4487
Name	OJ990504_06.9C17.C25.o1.gp	Method	AAT/GAP
Start	3869	End	4457
GI	60081_1.R1084	Score	914
Exons	3869..4179, 4274..4457		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	25954	Seq. ID	OJ990504_06.9C17.C25
Gene No.	53872	Strand	-
Start	3869	End	4487
Name	OJ990504_06.9C17.C25.o1.ts	Method	TBLASTX:Soybean
Start	4079	End	4487

GI	none	Score	70
Exons	4079..4180, 4093..4179, 4258..4332, 4271..4333, 4272..4334, 4400..4456, 4401..4487, 4401..4454		

Seq. No.	25954	Seq. ID	OJ990504_06.9C17.C25
Gene No.	53872	Strand	-
Start	3869	End	4487
Name	OJ990504_06.9C17.C25.o1.tm	Method	TBLASTX:Maize
Start	4084	End	4458
GI	none	Score	67
Exons	4084..4173, 4084..4179, 4091..4180, 4271..4333, 4272..4334, 4400..4447, 4400..4447, 4401..4457, 4401..4454, 4402..4458		

Seq. No.	25954	Seq. ID	OJ990504_06.9C17.C25
Gene No.	53872	Strand	-
Start	3869	End	4487
Name	OJ990504_06.9C17.C25.o1.tc	Method	TBLASTX:Cress
Start	4088	End	4454
GI	none	Score	71
Exons	4088..4192, 4090..4179, 4271..4333, 4272..4334, 4401..4454, 4402..4452		

Seq. No.	25954	Seq. ID	OJ990504_06.9C17.C25
Gene No.	53872	Strand	-
Start	3869	End	4487
Name	OJ990504_06.9C17.C25.o2.np	Method	AAT/NAP
Start	4093	End	4470
GI	6735329	Score	186
Exons	4093..4179, 4274..4333, 4401..4470		
GI Descrip.	(AL137081) putative protein [Arabidopsis thaliana]		

Seq. No.	25955	Seq. ID	OJ990504_06.9C17.C26
Gene No.	53873	Strand	-
Start	183	End	551
Name	OJ990504_06.9C17.C26.o1.np	Method	AAT/NAP
Start	183	End	543
GI	6735329	Score	102
Exons	183..543		
GI Descrip.	(AL137081) putative protein [Arabidopsis thaliana]		

Seq. No.	25955	Seq. ID	OJ990504_06.9C17.C26
Gene No.	53873	Strand	-
Start	183	End	551
Name	OJ990504_06.9C17.C26.o1.tm	Method	TBLASTX:Maize
Start	382	End	532
GI	none	Score	89
Exons	382..459, 384..458, 384..464, 385..459, 472..531, 473..532, 488..532		

Seq. No.	25955	Seq. ID	OJ990504_06.9C17.C26
Gene No.	53873	Strand	-
Start	183	End	551
Name	OJ990504_06.9C17.C26.o1.gp	Method	AAT/GAP
Start	385	End	551
GI	427716	Score	264
Exons	385..551		
GI Descrip.	1223898 3.0e-11 (U42755) Bet1 homolog [Rattus norvegicus]		

Seq. No.	25955	Seq. ID	OJ990504_06.9C17.C26
Gene No.	53873	Strand	-
Start	183	End	551
Name	OJ990504_06.9C17.C26.o1.gs	Method	GENSCAN
Start	385	End	529
GI	none	Score	.47
Exons	385..529		

Seq. No.	25956	Seq. ID	OJ990504_06.9C17.C28
Gene No.	53874	Strand	+
Start	1189	End	2071
Name	OJ990504_06.9C17.C28.o1.gs	Method	GENSCAN
Start	1189	End	2071
GI	none	Score	.85
Exons	1189..1318, 1407..2071		

Seq. No.	25957	Seq. ID	OJ990504_06.9C17.C29
Gene No.	53875	Strand	+
Start	144	End	2587
Name	OJ990504_06.9C17.C29.o1.gs	Method	GENSCAN
Start	144	End	2587
GI	none	Score	.58
Exons	144..1519, 1602..1772, 1939..2110, 2549..2587		

Seq. No.	25957	Seq. ID	OJ990504_06.9C17.C29
Gene No.	53875	Strand	+
Start	144	End	2587
Name	OJ990504_06.9C17.C29.o1.gp	Method	AAT/GAP
Start	1928	End	2448
GI	LIB3431-001-P1-N1-B5	Score	770
Exons	1928..2110, 2216..2448		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	25958	Seq. ID	OJ990504_06.9C17.C30
Gene No.	53876	Strand	+
Start	221	End	292
Name	OJ990504_06.9C17.C30.o1.gp	Method	AAT/GAP
Start	221	End	292
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	221..292		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	25959	Seq. ID	OJ990504_06.9C17.C31
Gene No.	53877	Strand	+
Start	1450	End	2054
Name	OJ990504_06.9C17.C31.o1.gs	Method	GENSCAN
Start	1450	End	2054
GI	none	Score	.69
Exons	1450..1488, 1944..2054		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53878	Strand	+
Start	2612	End	4219

Name	OJ990504_06.9C17.C32.o1.gs	Method	GENSCAN
Start	2612	End	4216
GI	none	Score	1
Exons	2612..4216		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53878	Strand	+
Start	2612	End	4219
Name	OJ990504_06.9C17.C32.o1.np	Method	AAT/NAP
Start	2627	End	4219
GI	1502430	Score	2058
Exons	2627..4219		
GI Descrip.	(U62331) phosphate transporter [Arabidopsis thaliana] gi|2564661 (AF022872) phosphate transporter [Arabidopsis thaliana] gi|3869206|dbj|BAA34398| (AB016166) Phosphate Transporter 4 [Arabidopsis thaliana] gi|3928081|gb|AAC79607.1| (AC005770) phosphate transporter (AtPT2) [Arabidopsis thaliana]		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53878	Strand	+
Start	2612	End	4219
Name	OJ990504_06.9C17.C32.o1.gp	Method	AAT/GAP
Start	2756	End	3161
GI	uC-osroM202001f06b1	Score	787
Exons	2756..3161		
GI Descrip.	'2702279 4.0e-58 (AC003033) putative phosphate transporter [Arabidopsis thaliana] >gi_2780345_dbj_BAA24280_ (AB000093) inorganic phosphate transporter [Arabidopsis thaliana] >gi_2914691 (AC003974) putative phosphate transporter [Arabidopsis thaliana]'		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53879	Strand	-
Start	4654	End	4918
Name	OJ990504_06.9C17.C32.o2.gp	Method	AAT/GAP
Start	4654	End	4918
GI	35458_1.R1084	Score	93
Exons	4654..4682, 4836..4918		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o2.tw	Method	TBLASTX:Wheat
Start	2630	End	3106
GI	none	Score	290
Exons	2630..2839, 2647..2838, 2809..3105, 2846..3106		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o1.tc	Method	TBLASTX:Cress
Start	2633	End	4210
GI	none	Score	1080
Exons	2633..3415, 2647..3177, 3241..3417, 3455..3808, 3463..3807, 3865..4146, 3866..4210		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o2.ts	Method	TBLASTX:Soybean
Start	2633	End	3151
GI	none	Score	800
Exons	2633..3151, 2647..3150		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o1.tm	Method	TBLASTX:Maize
Start	2642	End	4186
GI	none	Score	1165
Exons	2642..3415, 2647..3177, 3241..3417, 3403..3822, 3461..3823, 3821..4186, 3865..4146		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o4.ts	Method	TBLASTX:Soybean
Start	3221	End	3511
GI	none	Score	271
Exons	3221..3415, 3241..3417, 3461..3511, 3463..3507		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o3.ts	Method	TBLASTX:Soybean
Start	3641	End	4174
GI	none	Score	184
Exons	3641..3805, 3643..3792, 3866..4174, 3868..4146		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o3.gp	Method	AAT/GAP
Start	8964	End	9962
GI	17488_1.R1084	Score	1972
Exons	8964..9962		
GI Descrip.	'3005931/emb|CAA06290| 1.0e-104 (AJ005016) ABC transporter [Homo sapiens]'		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o2.np	Method	AAT/NAP
Start	9114	End	12214
GI	4886522	Score	1771
Exons	9114..10211, 10771..10992, 11136..11356, 11456..11529, 12087..12214		
GI Descrip.	(AL050291) hypothetical protein [Homo sapiens]		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214

Name	OJ990504_06.9C17.C32.o2.tm	Method	TBLASTX:Maize
Start	9124	End	12176
GI	none	Score	928
Exons	9124..9153, 9142..9987, 9154..10227, 9155..10156, 9204..10214, 9205..9528, 9296..9487, 10772..11008, 10772..10942, 10773..11009, 10773..11009, 11146..11358, 11146..11328, 11210..11359, 11444..11527, 11455..11532, 11455..11535, 12082..12147, 12084..12176, 12088..12138		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o1.ts	Method	TBLASTX:Soybean
Start	9154	End	12185
GI	none	Score	1094
Exons	9154..10227, 9158..10156, 9205..9519, 9588..10202, 10036..10212, 10768..10953, 10768..10911, 10772..11008, 10772..10936, 10773..11009, 10779..11009, 11145..11354, 11146..11355, 11146..11328, 11207..11359, 11455..11535, 11456..11545, 12084..12185		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o2.tc	Method	TBLASTX:Cress
Start	9154	End	10942
GI	none	Score	571
Exons	9154..9687, 9158..9682, 9183..9707, 9265..9741, 9674..9919, 9676..9921, 9685..9921, 9734..9928, 10772..10942		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o2.gs	Method	GENSCAN
Start	9154	End	11529
GI	none	Score	.93
Exons	9154..10211, 10771..11005, 11146..11356, 11456..11529		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o3.tw	Method	TBLASTX:Wheat
Start	9161	End	10936
GI	none	Score	241
Exons	9161..9529, 9162..9491, 9163..9531, 9163..9531, 9164..9532, 10772..10936		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o1.tw	Method	TBLASTX:Wheat
Start	9532	End	10167
GI	none	Score	810
Exons	9532..10167, 9533..10144		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-

Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o3.tc	Method	TBLASTX:Cress
Start	10030	End	12179
GI	none	Score	128
Exons	10030..10227, 10031..10156, 10036..10212, 10946..11008, 10946..11008, 11130..11267, 11146..11328, 11207..11359, 11441..11530, 11442..11507, 11455..11535, 11456..11530, 12084..12179		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o4.gp	Method	AAT/GAP
Start	10966	End	12214
GI	26693_1.R1084	Score	838
Exons	10966..11005, 11146..11356, 11456..11529, 12087..12214		
GI Descrip.	'4886522/emb|CAB43392.1| 8.0e-26 (AL050291) hypothetical protein [Homo sapiens]'		

Seq. No.	25960	Seq. ID	OJ990504_06.9C17.C32
Gene No.	53880	Strand	-
Start	9154	End	12214
Name	OJ990504_06.9C17.C32.o4.tw	Method	TBLASTX:Wheat
Start	11210	End	12185
GI	none	Score	184
Exons	11210..11359, 11212..11328, 11216..11359, 11444..11524, 11445..11525, 11445..11525, 11455..11526, 11455..11535, 11456..11548, 12084..12185, 12088..12138		

Seq. No.	25961	Seq. ID	OJ990504_06.9C17.C33
Gene No.	53881	Strand	+
Start	306	End	2828
Name	OJ990504_06.9C17.C33.o1.gs	Method	GENSCAN
Start	306	End	2828
GI	none	Score	.45
Exons	306..374, 1289..1319, 2731..2828		

Seq. No.	25962	Seq. ID	OJ990504_06.9C17.C35
Gene No.	53882	Strand	+
Start	1128	End	2168
Name	OJ990504_06.9C17.C35.o1.gs	Method	GENSCAN
Start	1128	End	2168
GI	none	Score	.68
Exons	1128..1263, 1349..1505, 2157..2168		

Seq. No.	25962	Seq. ID	OJ990504_06.9C17.C35
Gene No.	53883	Strand	-
Start	2775	End	3017
Name	OJ990504_06.9C17.C35.o2.gs	Method	GENSCAN
Start	2775	End	3017
GI	none	Score	.74
Exons	2775..3017		

Seq. No.	25963	Seq. ID	OJ990504_06.9C17.C36
Gene No.	53884	Strand	+
Start	567	End	7398
Name	OJ990504_06.9C17.C36.o1.gs	Method	GENSCAN

Start	567	End	7398
GI	none	Score	.69
Exons	567..677, 1544..1652, 3182..4414, 4908..4984, 5902..7398		

Seq. No.	25963	Seq. ID	OJ990504_06.9C17.C36
Gene No.	53884	Strand	+
Start	567	End	7398
Name	OJ990504_06.9C17.C36.o1.gp	Method	AAT/GAP
Start	6186	End	7366
GI	none	Score	2279
Exons	6186..7366		

Seq. No.	25963	Seq. ID	OJ990504_06.9C17.C36
Gene No.	53885	Strand	-
Start	7945	End	8261
Name	OJ990504_06.9C17.C36.o2.tm	Method	TBLASTX:Maize
Start	3548	End	4036
GI	none	Score	69
Exons	3548..3610, 3548..3592, 3633..3737, 3653..3709, 3657..3758, 3761..3832, 3785..4036, 3792..3827, 3822..4034, 3822..3872, 3906..3995		

Seq. No.	25963	Seq. ID	OJ990504_06.9C17.C36
Gene No.	53885	Strand	-
Start	7945	End	8261
Name	OJ990504_06.9C17.C36.o1.tm	Method	TBLASTX:Maize
Start	4363	End	6433
GI	none	Score	66
Exons	4363..4416, 5902..6171, 5902..6147, 5906..6175, 5906..6172, 5910..6188, 6155..6343, 6156..6227, 6191..6331, 6214..6351, 6365..6433		

Seq. No.	25963	Seq. ID	OJ990504_06.9C17.C36
Gene No.	53885	Strand	-
Start	7945	End	8261
Name	OJ990504_06.9C17.C36.o4.tm	Method	TBLASTX:Maize
Start	6434	End	6867
GI	none	Score	186
Exons	6434..6601, 6434..6601, 6438..6605, 6779..6856, 6780..6860, 6790..6867, 6798..6860, 6799..6867		

Seq. No.	25963	Seq. ID	OJ990504_06.9C17.C36
Gene No.	53885	Strand	-
Start	7945	End	8261
Name	OJ990504_06.9C17.C36.o1.ts	Method	TBLASTX:Soybean
Start	6832	End	8261
GI	none	Score	54
Exons	6832..6876, 6834..6875, 6880..6984, 6900..6983, 6955..7044, 6975..7055, 7114..7365, 7200..7325, 8151..8261, 8177..8260		

Seq. No.	25963	Seq. ID	OJ990504_06.9C17.C36
Gene No.	53885	Strand	-
Start	7945	End	8261
Name	OJ990504_06.9C17.C36.o3.tm	Method	TBLASTX:Maize
Start	7029	End	8261
GI	none	Score	102
Exons	7029..7130, 7031..7135, 7137..7310, 7137..7313, 7141..7320,		

7156..7314, 7172..7321, 7318..7350, 8138..8260, 8150..8260, 8151..8261

Seq. No.	25963	Seq. ID	OJ990504_06.9C17.C36
Gene No.	53885	Strand	-
Start	7945	End	8261
Name	OJ990504_06.9C17.C36.o2.gs	Method	GENSCAN
Start	7945	End	8215
GI	none	Score	.98
Exons	7945..7978, 8094..8215		

Seq. No.	25964	Seq. ID	OJ990504_06.9C17.C37
Gene No.	53886	Strand	+
Start	327	End	1918
Name	OJ990504_06.9C17.C37.o1.gs	Method	GENSCAN
Start	327	End	1598
GI	none	Score	.58
Exons	327..668, 922..1116, 1193..1281, 1397..1598		

Seq. No.	25964	Seq. ID	OJ990504_06.9C17.C37
Gene No.	53886	Strand	+
Start	327	End	1918
Name	OJ990504_06.9C17.C37.o1.gp	Method	AAT/GAP
Start	588	End	1918
GI	4889_1.R1084	Score	1660
Exons	588..668, 922..1116, 1193..1281, 1397..1918		
GI Descrip.	'4567314/gb|AAD23725.1|AC005956_14 2.0e-34 (AC005956) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25964	Seq. ID	OJ990504_06.9C17.C37
Gene No.	53887	Strand	+
Start	4486	End	4973
Name	OJ990504_06.9C17.C37.o1.np	Method	AAT/NAP
Start	4486	End	4973
GI	464900	Score	193
Exons	4486..4973		
GI Descrip.	PUTATIVE KINASE-LIKE PROTEIN TMKL1 PRECURSOR gi|539008|pir||S39476 kinase-like transmembrane protein TMKL1 precursor - Arabidopsis thaliana gi|313190|emb|CAA51385| (X72863) TMKL1 [Arabidopsis thaliana]		

Seq. No.	25964	Seq. ID	OJ990504_06.9C17.C37
Gene No.	53888	Strand	-
Start	3064	End	4618
Name	OJ990504_06.9C17.C37.o1.tm	Method	TBLASTX:Maize
Start	314	End	1600
GI	none	Score	342
Exons	314..670, 326..670, 327..704, 472..672, 919..1032, 919..1008, 923..1012, 1020..1115, 1020..1115, 1021..1116, 1116..1277, 1188..1277, 1192..1278, 1192..1278, 1193..1303, 1394..1540, 1395..1595, 1404..1595, 1409..1600		

Seq. No.	25964	Seq. ID	OJ990504_06.9C17.C37
Gene No.	53888	Strand	-
Start	3064	End	4618
Name	OJ990504_06.9C17.C37.o1.ts	Method	TBLASTX:Soybean
Start	327	End	1026

GI	none	Score	288
Exons	327..563, 353..562, 560..670,	561..671,	916..1026

Seq. No.	25964	Seq. ID	OJ990504_06.9C17.C37
Gene No.	53888	Strand	-
Start	3064	End	4618
Name	OJ990504_06.9C17.C37.o1.tc	Method	TBLASTX:Cress
Start	336	End	1002
GI	none	Score	307
Exons	336..575, 350..574, 516..668,	563..667,	919..1002, 919..999

Seq. No.	25964	Seq. ID	OJ990504_06.9C17.C37
Gene No.	53888	Strand	-
Start	3064	End	4618
Name	OJ990504_06.9C17.C37.o2.ts	Method	TBLASTX:Soybean
Start	1189	End	1621
GI	none	Score	124
Exons	1189..1281, 1190..1303, 1395..	1589, 1403..	1540, 1418..1621

Seq. No.	25964	Seq. ID	OJ990504_06.9C17.C37
Gene No.	53888	Strand	-
Start	3064	End	4618
Name	OJ990504_06.9C17.C37.o2.tc	Method	TBLASTX:Cress
Start	1211	End	1595
GI	none	Score	56
Exons	1211..1303, 1219..1302, 1395..	1595, 1403..	1537, 1408..1542

Seq. No.	25964	Seq. ID	OJ990504_06.9C17.C37
Gene No.	53888	Strand	-
Start	3064	End	4618
Name	OJ990504_06.9C17.C37.o2.gp	Method	AAT/GAP
Start	2489	End	3373
GI	none	Score	906
Exons	2489..2627, 3016..3373		

Seq. No.	25964	Seq. ID	OJ990504_06.9C17.C37
Gene No.	53888	Strand	-
Start	3064	End	4618
Name	OJ990504_06.9C17.C37.o2.gs	Method	GENSCAN
Start	3064	End	4618
GI	none	Score	.6
Exons	3064..3460, 3936..4054, 4129..	4318, 4418..	4618

Seq. No.	25965	Seq. ID	OJ990504_06.9C17.C38
Gene No.	53889	Strand	+
Start	1	End	3227
Name	OJ990504_06.9C17.C38.o2.np	Method	AAT/NAP
Start	1	End	3227
GI	5734621	Score	209
Exons	1..34, 2095..2434, 2925..3227		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	25965	Seq. ID	OJ990504_06.9C17.C38
Gene No.	53889	Strand	+
Start	1	End	3227

Name	OJ990504_06.9C17.C38.o1.np	Method	AAT/NAP
Start	283	End	366
GI	5852084	Score	70
Exons	283..366		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	25965	Seq. ID	OJ990504_06.9C17.C38
Gene No.	53890	Strand	-
Start	1087	End	2761
Name	OJ990504_06.9C17.C38.o1.gs	Method	GENSCAN
Start	1087	End	2761
GI	none	Score	.85
Exons	1087..1451, 2176..2761		

Seq. No.	25966	Seq. ID	OJ990504_06.9C17.C39
Gene No.	53891	Strand	+
Start	164	End	2722
Name	OJ990504_06.9C17.C39.o1.gs	Method	GENSCAN
Start	164	End	2722
GI	none	Score	.54
Exons	164..216, 292..416, 561..631, 732..871, 1605..1674, 1679..1966, 2492..2722		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53892	Strand	+
Start	1396	End	4862
Name	OJ990504_06.9C17.C40.o1.gs	Method	GENSCAN
Start	1396	End	3415
GI	none	Score	.8
Exons	1396..1462, 1823..1854, 2806..3014, 3349..3415		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53892	Strand	+
Start	1396	End	4862
Name	OJ990504_06.9C17.C40.o1.gp	Method	AAT/GAP
Start	2756	End	4862
GI	59634_1.R1084	Score	1051
Exons	2756..3014, 3349..3411, 4603..4862		
GI Descrip.	'4883609/gb|AAD31578.1|AC006922_10 4.0e-09 (AC006922) unknown protein [Arabidopsis thaliana]'		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53893	Strand	+
Start	7300	End	7938
Name	OJ990504_06.9C17.C40.o2.gp	Method	AAT/GAP
Start	7300	End	7938
GI	40929_1.R1084	Score	1213
Exons	7300..7938		
GI Descrip.	'4204793 2.0e-47 (U52079) P-glycoprotein [Solanum tuberosum]'		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53894	Strand	-
Start	5184	End	6836
Name	OJ990504_06.9C17.C40.o2.gs	Method	GENSCAN
Start	5184	End	6836
GI	none	Score	.7
Exons	5184..5243, 5444..5564, 5812..5940, 5994..6096, 6779..6836		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53895	Strand	-
Start	7401	End	8761
Name	OJ990504_06.9C17.C40.o1.tw	Method	TBLASTX:Wheat
Start	2801	End	4681
GI	none	Score	77
Exons	2801..2878, 2802..2858, 2803..3015, 2805..2882, 2935..3015, 3343..3411, 3344..3412, 3348..3410, 4589..4681, 4601..4681		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53895	Strand	-
Start	7401	End	8761
Name	OJ990504_06.9C17.C40.o2.tm	Method	TBLASTX:Maize
Start	2803	End	4784
GI	none	Score	348
Exons	2803..3015, 2804..2878, 2805..3014, 3343..3411, 3344..3412, 4589..4705, 4599..4706, 4600..4779, 4601..4705, 4614..4706, 4727..4756, 4735..4779, 4737..4784		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53895	Strand	-
Start	7401	End	8761
Name	OJ990504_06.9C17.C40.o1.np	Method	AAT/NAP
Start	7395	End	8761
GI	99741	Score	1803
Exons	7395..8761		
GI Descrip.	P-glycoprotein pgp1 - Arabidopsis thaliana		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53895	Strand	-
Start	7401	End	8761
Name	OJ990504_06.9C17.C40.o3.gs	Method	GENSCAN
Start	7401	End	8665
GI	none	Score	.96
Exons	7401..8665		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53895	Strand	-
Start	7401	End	8761
Name	OJ990504_06.9C17.C40.o2.ts	Method	TBLASTX:Soybean
Start	7461	End	7760
GI	none	Score	138
Exons	7461..7622, 7641..7760		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53895	Strand	-
Start	7401	End	8761
Name	OJ990504_06.9C17.C40.o1.tc	Method	TBLASTX:Cress
Start	7464	End	8740
GI	none	Score	62
Exons	7464..7502, 7503..7622, 7509..7625, 7513..7623, 7528..7620, 7605..8192, 7639..8157, 7639..8193, 7641..8192, 8238..8654, 8245..8604, 8633..8740		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53895	Strand	-

Start	7401	End	8761
Name	OJ990504_06.9C17.C40.o1.tm	Method	TBLASTX:Maize
Start	7506	End	8618
GI	none	Score	69
Exons	7506..7619, 7507..7620, 7605..7838, 7639..7830, 7878..8222, 8014..8193, 8226..8618, 8251..8610		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53895	Strand	-
Start	7401	End	8761
Name	OJ990504_06.9C17.C40.o2.tw	Method	TBLASTX:Wheat
Start	7542	End	7796
GI	none	Score	58
Exons	7542..7724, 7546..7728, 7605..7796, 7641..7784		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53895	Strand	-
Start	7401	End	8761
Name	OJ990504_06.9C17.C40.o1.ts	Method	TBLASTX:Soybean
Start	7764	End	8588
GI	none	Score	113
Exons	7764..8204, 7774..7947, 8008..8193, 8208..8285, 8238..8588, 8287..8442		

Seq. No.	25967	Seq. ID	OJ990504_06.9C17.C40
Gene No.	53895	Strand	-
Start	7401	End	8761
Name	OJ990504_06.9C17.C40.o3.gp	Method	AAT/GAP
Start	8349	End	8761
GI	4715332	Score	765
Exons	8349..8761		
GI Descrip.	4204793 2.0e-47 (U52079) P-glycoprotein [Solanum tuberosum]		

Seq. No.	25968	Seq. ID	OJ990504_06.9C17.C41
Gene No.	53896	Strand	+
Start	4445	End	5152
Name	OJ990504_06.9C17.C41.o2.gs	Method	GENSCAN
Start	4445	End	5152
GI	none	Score	.61
Exons	4445..4454, 4537..4731, 4965..5152		

Seq. No.	25968	Seq. ID	OJ990504_06.9C17.C41
Gene No.	53897	Strand	-
Start	829	End	2698
Name	OJ990504_06.9C17.C41.o1.gs	Method	GENSCAN
Start	829	End	2698
GI	none	Score	.72
Exons	829..1516, 1629..2698		

Seq. No.	25968	Seq. ID	OJ990504_06.9C17.C41
Gene No.	53897	Strand	-
Start	829	End	2698
Name	OJ990504_06.9C17.C41.o1.np	Method	AAT/NAP
Start	894	End	2500
GI	419760	Score	1776
Exons	894..1450, 1545..2500		
GI Descrip.	P-glycoprotein atpgp1 - Arabidopsis thaliana		

gi|3849833|emb|CAA43646| (X61370) P-glycoprotein [Arabidopsis thaliana] gi|4883607|gb|AAD31576.1|AC006922_8 (AC006922) putative ABC transporter [Arabidopsis thaliana]

Seq. No.	25968	Seq. ID	OJ990504_06.9C17.C41
Gene No.	53898	Strand	-
Start	6771	End	10356
Name	OJ990504_06.9C17.C41.o1.tc	Method	TBLASTX:Cress
Start	916	End	2410
GI	none	Score	106
Exons	916..1377, 916..1347, 932..1069, 1001..1060, 1139..1342, 1139..1339, 1544..2410, 1610..1825, 1635..1787, 1884..2105, 1898..2092		

Seq. No.	25968	Seq. ID	OJ990504_06.9C17.C41
Gene No.	53898	Strand	-
Start	6771	End	10356
Name	OJ990504_06.9C17.C41.o1.ts	Method	TBLASTX:Soybean
Start	919	End	1798
GI	none	Score	72
Exons	919..1332, 920..1069, 1139..1354, 1604..1798		

Seq. No.	25968	Seq. ID	OJ990504_06.9C17.C41
Gene No.	53898	Strand	-
Start	6771	End	10356
Name	OJ990504_06.9C17.C41.o2.tm	Method	TBLASTX:Maize
Start	919	End	1354
GI	none	Score	82
Exons	919..1332, 920..1069, 1138..1341, 1139..1354		

Seq. No.	25968	Seq. ID	OJ990504_06.9C17.C41
Gene No.	53898	Strand	-
Start	6771	End	10356
Name	OJ990504_06.9C17.C41.o1.tm	Method	TBLASTX:Maize
Start	1793	End	2165
GI	none	Score	44
Exons	1793..1843, 1793..2164, 1884..2165		

Seq. No.	25968	Seq. ID	OJ990504_06.9C17.C41
Gene No.	53898	Strand	-
Start	6771	End	10356
Name	OJ990504_06.9C17.C41.o3.ts	Method	TBLASTX:Soybean
Start	1805	End	1990
GI	none	Score	133
Exons	1805..1990, 1884..1982		

Seq. No.	25968	Seq. ID	OJ990504_06.9C17.C41
Gene No.	53898	Strand	-
Start	6771	End	10356
Name	OJ990504_06.9C17.C41.o2.ts	Method	TBLASTX:Soybean
Start	1991	End	2255
GI	none	Score	186
Exons	1991..2239, 1992..2255, 2006..2071, 2075..2110		

Seq. No.	25968	Seq. ID	OJ990504_06.9C17.C41
Gene No.	53898	Strand	-
Start	6771	End	10356

Name	OJ990504_06.9C17.C41.o3.gs	Method	GENSCAN
Start	6771	End	10356
GI	none	Score	.41
Exons	6771..6905, 8724..8893, 10278..10356		

Seq. No.	25969	Seq. ID	OJ990504_06.9C17.C42
Gene No.	53899	Strand	+
Start	1	End	377
Name	OJ990504_06.9C17.C42.o1.np	Method	AAT/NAP
Start	1	End	377
GI	2950370	Score	200
Exons	1..377		
GI Descrip.	(AJ224372) Reverse Transcriptase [Picea abies]		

Seq. No.	25969	Seq. ID	OJ990504_06.9C17.C42
Gene No.	53899	Strand	+
Start	1	End	377
Name	OJ990504_06.9C17.C42.o1.tm	Method	TBLASTX:Maize
Start	176	End	376
GI	none	Score	184
Exons	176..376		

Seq. No.	25969	Seq. ID	OJ990504_06.9C17.C42
Gene No.	53899	Strand	+
Start	1	End	377
Name	OJ990504_06.9C17.C42.o1.tw	Method	TBLASTX:Wheat
Start	230	End	377
GI	none	Score	172
Exons	230..376, 268..375, 279..377		

Seq. No.	25970	Seq. ID	OJ990504_06.9C17.C44
Gene No.	53900	Strand	+
Start	471	End	612
Name	OJ990504_06.9C17.C44.o1.gp	Method	AAT/GAP
Start	471	End	612
GI	60081_1.R1084	Score	238
Exons	471..612		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	25971	Seq. ID	OJ990504_06.9C17.C45
Gene No.	53901	Strand	+
Start	1742	End	3227
Name	OJ990504_06.9C17.C45.o1.gp	Method	AAT/GAP
Start	1742	End	3227
GI	none	Score	749
Exons	1742..1839, 2454..2533, 2633..2692, 2791..2931, 3169..3227		

Seq. No.	25971	Seq. ID	OJ990504_06.9C17.C45
Gene No.	53901	Strand	+
Start	1742	End	3227
Name	OJ990504_06.9C17.C45.o2.np	Method	AAT/NAP
Start	2087	End	3227
GI	6358796	Score	137
Exons	2087..2239, 2791..2931, 3169..3227		
GI Descrip.	(AC010852) putative aminopeptidase, 3' partial [Arabidopsis thaliana]		

Seq. No.	25971	Seq. ID	OJ990504_06.9C17.C45
Gene No.	53902	Strand	-
Start	6	End	2892
Name	OJ990504_06.9C17.C45.o1.np	Method	AAT/NAP
Start	6	End	994
GI	4680492	Score	538
Exons	6..994		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	25971	Seq. ID	OJ990504_06.9C17.C45
Gene No.	53902	Strand	-
Start	6	End	2892
Name	OJ990504_06.9C17.C45.o1.gs	Method	GENSCAN
Start	153	End	2892
GI	none	Score	.43
Exons	153..312, 918..1047, 1167..1233, 1976..2047, 2747..2892		

Seq. No.	25972	Seq. ID	OJ990504_06.9C17.C46
Gene No.	53903	Strand	+
Start	1	End	3524
Name	OJ990504_06.9C17.C46.o1.np	Method	AAT/NAP
Start	1	End	3524
GI	6456169	Score	1115
Exons	1..286, 395..456, 681..708, 782..868, 964..989, 1364..1499, 1608..1704, 2157..2213, 2452..2561, 2635..2715, 2925..3073, 3394..3524		
GI Descrip.	(AC011622) putative aminopeptidase [Arabidopsis thaliana]		

Seq. No.	25972	Seq. ID	OJ990504_06.9C17.C46
Gene No.	53903	Strand	+
Start	1	End	3524
Name	OJ990504_06.9C17.C46.o1.tm	Method	TBLASTX:Maize
Start	64	End	3081
GI	none	Score	222
Exons	64..114, 66..287, 103..288, 104..289, 105..290, 392..484, 393..464, 394..471, 781..867, 782..868, 785..880, 961..990, 963..995, 1416..1499, 1416..1499, 1418..1501, 1605..1658, 1607..1654, 1739..1765, 2139..2213, 2149..2214, 2153..2212, 2156..2215, 2449..2565, 2451..2567, 2451..2564, 2635..2715, 2636..2710, 2895..3080, 2919..3080, 2920..3081, 2920..3081		

Seq. No.	25972	Seq. ID	OJ990504_06.9C17.C46
Gene No.	53903	Strand	+
Start	1	End	3524
Name	OJ990504_06.9C17.C46.o1.ts	Method	TBLASTX:Soybean
Start	71	End	289
GI	none	Score	52
Exons	71..103, 72..110, 76..126, 103..282, 103..288, 104..289		

Seq. No.	25972	Seq. ID	OJ990504_06.9C17.C46
Gene No.	53903	Strand	+
Start	1	End	3524
Name	OJ990504_06.9C17.C46.o1.tc	Method	TBLASTX:Cress
Start	72	End	462
GI	none	Score	39
Exons	72..98, 72..110, 73..114, 96..284, 103..288, 104..289, 394..462,		

395..457

Seq. No.	25972	Seq. ID	OJ990504_06.9C17.C46
Gene No.	53903	Strand	+
Start	1	End	3524
Name	OJ990504_06.9C17.C46.o1.gs	Method	GENSCAN
Start	86	End	3516
GI	none	Score	.61
Exons	86..456, 681..708, 782..868, 964..989, 1748..1766, 2157..2213, 2452..2561, 2925..3108, 3414..3516		

Seq. No.	25972	Seq. ID	OJ990504_06.9C17.C46
Gene No.	53903	Strand	+
Start	1	End	3524
Name	OJ990504_06.9C17.C46.o2.ts	Method	TBLASTX:Soybean
Start	394	End	3524
GI	none	Score	87
Exons	394..462, 395..493, 682..711, 769..867, 782..880, 952..990, 1416..1499, 1418..1501, 1605..1658, 1739..1765, 2153..2212, 2157..2213, 2449..2565, 2451..2564, 2452..2565, 2453..2572, 2454..2591, 2621..2713, 2635..2715, 2916..3119, 2922..3044, 2923..3129, 3413..3508, 3447..3524, 3452..3523		

Seq. No.	25972	Seq. ID	OJ990504_06.9C17.C46
Gene No.	53903	Strand	+
Start	1	End	3524
Name	OJ990504_06.9C17.C46.o2.tc	Method	TBLASTX:Cress
Start	2139	End	3047
GI	none	Score	84
Exons	2139..2213, 2153..2212, 2449..2565, 2451..2567, 2451..2564, 2635..2715, 2636..2713, 2916..3047, 2923..3045		

Seq. No.	25972	Seq. ID	OJ990504_06.9C17.C46
Gene No.	53903	Strand	+
Start	1	End	3524
Name	OJ990504_06.9C17.C46.o1.gp	Method	AAT/GAP
Start	2977	End	3524
GI	7217_2.R1084	Score	442
Exons	2977..3108, 3414..3524		
GI Descrip.	'113742/sp|P04825|AMPN_ECOLI 7.0e-29 AMINOPEPTIDASE N (ALPHA-AMINOACYLPEPTIDE HYDROLASE) >gi_147142 (M15273) peptidase N [Escherichia coli] >gi_147144 (M15676) aminopeptidase N [Escherichia coli] >gi_1787163 (AE000195) aminopeptidase N [Escherichia coli] >gi_4062498_dbj_BAA35684_ (D90731) Aminopeptidase n (EC 3.4.11.2) (alpha-aminoacylpeptide hydrolase). [Escherichia coli]'		

Seq. No.	25973	Seq. ID	OJ990504_06.9C17.C54
Gene No.	53904	Strand	-
Start	342	End	459
Name	OJ990504_06.9C17.C54.o1.gs	Method	GENSCAN
Start	342	End	459
GI	none	Score	.76
Exons	342..459		

Seq. No.	25974	Seq. ID	OJ990504_06.9C17.C55
Gene No.	53905	Strand	+

Start	1	End	211
Name	OJ990504_06.9C17.C55.o1.gp	Method	AAT/GAP
Start	1	End	211
GI	5002953	Score	283
Exons	1..211.		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	25974	Seq. ID	OJ990504_06.9C17.C55
Gene No.	53906	Strand	-
Start	397	End	439
Name	OJ990504_06.9C17.C55.o1.gs	Method	GENSCAN
Start	397	End	439
GI	none	Score	.56
Exons	397..439		

Seq. No.	25975	Seq. ID	OJ990504_06.9C17.C56
Gene No.	53907	Strand	-
Start	47	End	1731
Name	OJ990504_06.9C17.C56.o1.gs	Method	GENSCAN
Start	47	End	1731
GI	none	Score	.54
Exons	47..142, 206..340, 1330..1353, 1405..1617, 1666..1731		

Seq. No.	25975	Seq. ID	OJ990504_06.9C17.C56
Gene No.	53907	Strand	-
Start	47	End	1731
Name	OJ990504_06.9C17.C56.o1.tm	Method	TBLASTX:Maize
Start	333	End	662
GI	none	Score	190
Exons	333..551, 334..594, 621..662		

Seq. No.	25976	Seq. ID	OJ990504_06.9C17.C57
Gene No.	53908	Strand	+
Start	1	End	853
Name	OJ990504_06.9C17.C57.o1.np	Method	AAT/NAP
Start	1	End	853
GI	5777617	Score	94
Exons	1..74, 727..853		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	25976	Seq. ID	OJ990504_06.9C17.C57
Gene No.	53909	Strand	-
Start	1106	End	1932
Name	OJ990504_06.9C17.C57.o1.tm	Method	TBLASTX:Maize
Start	1088	End	1856
GI	none	Score	124
Exons	1088..1249, 1101..1262, 1307..1381, 1326..1379, 1415..1567, 1422..1562, 1662..1856, 1669..1761		

Seq. No.	25976	Seq. ID	OJ990504_06.9C17.C57
Gene No.	53909	Strand	-
Start	1106	End	1932
Name	OJ990504_06.9C17.C57.o2.np	Method	AAT/NAP
Start	1106	End	1932
GI	5734714	Score	572
Exons	1106..1251, 1321..1561, 1665..1932		

GI Descrip.	(AC008075) Identical to gb|AF111711 transcription factor PERIANTHIA from Arabidopsis thaliana.		
Seq. No.	25976	Seq. ID	OJ990504_06.9C17.C57
Gene No.	53909	Strand	-
Start	1106	End	1932
Name	OJ990504_06.9C17.C57.o1.tc	Method	TBLASTX:Cress
Start	1106	End	1856
GI	none	Score	127
Exons	1106..1249, 1107..1253, 1307..1381, 1335..1379, 1418..1567, 1428..1463, 1662..1856, 1669..1758		
Seq. No.	25976	Seq. ID	OJ990504_06.9C17.C57
Gene No.	53909	Strand	-
Start	1106	End	1932
Name	OJ990504_06.9C17.C57.o1.ts	Method	TBLASTX:Soybean
Start	1106	End	1856
GI	none	Score	135
Exons	1106..1249, 1107..1259, 1307..1381, 1326..1379, 1412..1567, 1422..1562, 1662..1856, 1666..1761		
Seq. No.	25976	Seq. ID	OJ990504_06.9C17.C57
Gene No.	53909	Strand	-
Start	1106	End	1932
Name	OJ990504_06.9C17.C57.o1.gp	Method	AAT/GAP
Start	1362	End	1739
GI	67783_1.R1084	Score	595
Exons	1362..1739		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	25976	Seq. ID	OJ990504_06.9C17.C57
Gene No.	53909	Strand	-
Start	1106	End	1932
Name	OJ990504_06.9C17.C57.o2.tw	Method	TBLASTX:Wheat
Start	1415	End	1567
GI	none	Score	66
Exons	1415..1567, 1422..1547		
Seq. No.	25976	Seq. ID	OJ990504_06.9C17.C57
Gene No.	53909	Strand	-
Start	1106	End	1932
Name	OJ990504_06.9C17.C57.o1.tw	Method	TBLASTX:Wheat
Start	1686	End	1856
GI	none	Score	67
Exons	1686..1856, 1687..1761		
Seq. No.	25977	Seq. ID	OJ990504_06.9C17.C58
Gene No.	53910	Strand	-
Start	2267	End	3262
Name	OJ990504_06.9C17.C58.o2.gs	Method	GENSCAN
Start	2267	End	3262
GI	none	Score	.54
Exons	2267..2500, 3023..3262		
Seq. No.	25978	Seq. ID	OJ990504_06.9C17.C61
Gene No.	53911	Strand	-

Start	193	End	670
Name	OJ990504_06.9C17.C61.o1.gs	Method	GENSCAN
Start	193	End	504
GI	none	Score	.9
Exons	193..504		

Seq. No.	25978	Seq. ID	OJ990504_06.9C17.C61
Gene No.	53911	Strand	-
Start	193	End	670
Name	OJ990504_06.9C17.C61.o1.np	Method	AAT/NAP
Start	208	End	670
GI	464900	Score	382
Exons	208..670		
GI Descrip.	PUTATIVE KINASE-LIKE PROTEIN TMKL1 PRECURSOR gi|539008|pir||S39476 kinase-like transmembrane protein TMKL1 precursor - Arabidopsis thaliana gi|313190|emb|CAA51385| (X72863) TMKL1 [Arabidopsis thaliana]		

Seq. No.	25978	Seq. ID	OJ990504_06.9C17.C61
Gene No.	53911	Strand	-
Start	193	End	670
Name	OJ990504_06.9C17.C61.o1.tc	Method	TBLASTX:Cress
Start	211	End	603
GI	none	Score	60
Exons	211..258, 265..459, 269..406, 436..483, 493..603		

Seq. No.	25978	Seq. ID	OJ990504_06.9C17.C61
Gene No.	53911	Strand	-
Start	193	End	670
Name	OJ990504_06.9C17.C61.o1.ts	Method	TBLASTX:Soybean
Start	265	End	417
GI	none	Score	70
Exons	265..417, 271..354		

Seq. No.	25979	Seq. ID	OJ990504_06.9C17.C63
Gene No.	53912	Strand	+
Start	1	End	698
Name	OJ990504_06.9C17.C63.o1.np	Method	AAT/NAP
Start	1	End	698
GI	99741	Score	760
Exons	1..698		
GI Descrip.	P-glycoprotein pgp1 - Arabidopsis thaliana		

Seq. No.	25979	Seq. ID	OJ990504_06.9C17.C63
Gene No.	53912	Strand	+
Start	1	End	698
Name	OJ990504_06.9C17.C63.o1.tc	Method	TBLASTX:Cress
Start	62	End	407
GI	none	Score	399
Exons	62..376, 62..340, 63..407, 63..404, 231..401		

Seq. No.	25979	Seq. ID	OJ990504_06.9C17.C63
Gene No.	53912	Strand	+
Start	1	End	698
Name	OJ990504_06.9C17.C63.o1.tm	Method	TBLASTX:Maize
Start	62	End	401
GI	none	Score	366

Exons	62..388, 63..401		
Seq. No.	25979	Seq. ID	OJ990504_06.9C17.C63
Gene No.	53912	Strand	+
Start	1	End	698
Name	OJ990504_06.9C17.C63.o1.gs	Method	GENSCAN
Start	72	End	692
GI	none	Score	.7
Exons	72..692		
Seq. No.	25979	Seq. ID	OJ990504_06.9C17.C63
Gene No.	53912	Strand	+
Start	1	End	698
Name	OJ990504_06.9C17.C63.o1.tw	Method	TBLASTX:Wheat
Start	80	End	320
GI	none	Score	299
Exons	80..319, 81..320		
Seq. No.	25979	Seq. ID	OJ990504_06.9C17.C63
Gene No.	53912	Strand	+
Start	1	End	698
Name	OJ990504_06.9C17.C63.o1.ts	Method	TBLASTX:Soybean
Start	84	End	362
GI	none	Score	404
Exons	84..362, 89..352		
Seq. No.	25980	Seq. ID	OJ990504_06.9C17.C64
Gene No.	53913	Strand	-
Start	346	End	458
Name	OJ990504_06.9C17.C64.o1.gs	Method	GENSCAN
Start	346	End	458
GI	none	Score	.68
Exons	346..458		
Seq. No.	25981	Seq. ID	OJ990504_06.9C17.C68
Gene No.	53914	Strand	+
Start	63	End	645
Name	OJ990504_06.9C17.C68.o1.gp	Method	AAT/GAP
Start	63	End	645
GI	4889_1.R1084	Score	639
Exons	63..224, 301..389, 505..645		
GI Descrip.	'4567314/gb|AAD23725.1|AC005956_14 2.0e-34 (AC005956) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	25981	Seq. ID	OJ990504_06.9C17.C68
Gene No.	53914	Strand	+
Start	63	End	645
Name	OJ990504_06.9C17.C68.o1.tm	Method	TBLASTX:Maize
Start	63	End	622
GI	none	Score	92
Exons	63..140, 63..125, 128..223, 128..223, 129..224, 224..397, 300..401, 300..386, 301..411, 302..397, 499..606, 502..621, 506..622, 506..622		
Seq. No.	25981	Seq. ID	OJ990504_06.9C17.C68
Gene No.	53914	Strand	+
Start	63	End	645

Name	OJ990504_06.9C17.C68.o1.ts	Method	TBLASTX:Soybean
Start	297	End	622
GI	none	Score	130
Exons	297..389, 298..411, 509..622,	511..618	

Seq. No.	25982	Seq. ID	OJ990414_06.9C10.C1
Gene No.	53915	Strand	+
Start	116	End	522
Name	OJ990414_06.9C10.C1.o1.gs	Method	GENSCAN
Start	116	End	522
GI	none	Score	.57
Exons	116..170, 485..522		

Seq. No.	25983	Seq. ID	OJ990414_06.9C10.C2
Gene No.	53916	Strand	+
Start	295	End	531
Name	OJ990414_06.9C10.C2.o1.gs	Method	GENSCAN
Start	295	End	531
GI	none	Score	.75
Exons	295..531		

Seq. No.	25984	Seq. ID	OJ990414_06.9C10.C3
Gene No.	53917	Strand	-
Start	1	End	978
Name	OJ990414_06.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	978
GI	5902445	Score	342
Exons	1..22, 477..978		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	25984	Seq. ID	OJ990414_06.9C10.C3
Gene No.	53917	Strand	-
Start	1	End	978
Name	OJ990414_06.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	483	End	829
GI	none	Score	80
Exons	483..686, 698..829		

Seq. No.	25984	Seq. ID	OJ990414_06.9C10.C3
Gene No.	53917	Strand	-
Start	1	End	978
Name	OJ990414_06.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	701	End	927
GI	none	Score	68
Exons	701..808, 788..925, 790..927		

Seq. No.	25985	Seq. ID	OJ990414_06.9C10.C4
Gene No.	53918	Strand	+
Start	337	End	1821
Name	OJ990414_06.9C10.C4.o1.gp	Method	AAT/GAP
Start	337	End	916
GI	none	Score	992
Exons	337..916		

Seq. No.	25985	Seq. ID	OJ990414_06.9C10.C4
Gene No.	53918	Strand	+
Start	337	End	1821

Name	OJ990414_06.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	500	End	1046
GI	none	Score	81
Exons	500..616, 503..655, 507..653, 684..845, 685..834, 686..844, 822..872, 871..918, 872..940, 873..941, 933..1040, 938..1045, 939..1046		

Seq. No.	25985	Seq. ID	OJ990414_06.9C10.C4
Gene No.	53918	Strand	+
Start	337	End	1821
Name	OJ990414_06.9C10.C4.o1.gs	Method	GENSCAN
Start	513	End	1792
GI	none	Score	.66
Exons	513..1792		

Seq. No.	25985	Seq. ID	OJ990414_06.9C10.C4
Gene No.	53918	Strand	+
Start	337	End	1821
Name	OJ990414_06.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	845	End	1817
GI	none	Score	838
Exons	845..946, 1022..1804, 1023..1817, 1545..1817		

Seq. No.	25985	Seq. ID	OJ990414_06.9C10.C4
Gene No.	53918	Strand	+
Start	337	End	1821
Name	OJ990414_06.9C10.C4.o1.np	Method	AAT/NAP
Start	849	End	1821
GI	2245082	Score	821
Exons	849..1821		
GI Descrip.	(Z97343) SCARECROW like protein [Arabidopsis thaliana]		

Seq. No.	25985	Seq. ID	OJ990414_06.9C10.C4
Gene No.	53918	Strand	+
Start	337	End	1821
Name	OJ990414_06.9C10.C4.o2.tc	Method	TBLASTX:Cress
Start	1029	End	1223
GI	none	Score	185
Exons	1029..1223, 1044..1172, 1097..1219		

Seq. No.	25985	Seq. ID	OJ990414_06.9C10.C4
Gene No.	53918	Strand	+
Start	337	End	1821
Name	OJ990414_06.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	1046	End	1664
GI	none	Score	646
Exons	1046..1486, 1056..1664, 1056..1664		

Seq. No.	25985	Seq. ID	OJ990414_06.9C10.C4
Gene No.	53918	Strand	+
Start	337	End	1821
Name	OJ990414_06.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	1236	End	1751
GI	none	Score	472
Exons	1236..1736, 1236..1469, 1247..1489, 1541..1681, 1674..1751, 1676..1750		

Seq. No.	25985	Seq. ID	OJ990414_06.9C10.C4
Gene No.	53918	Strand	+
Start	337	End	1821
Name	OJ990414_06.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	1407	End	1810
GI	none	Score	386
Exons	1407..1808, 1408..1512, 1410..1808, 1601..1810		

Seq. No.	25985	Seq. ID	OJ990414_06.9C10.C4
Gene No.	53918	Strand	+
Start	337	End	1821
Name	OJ990414_06.9C10.C4.o3.tm	Method	TBLASTX:Maize
Start	1664	End	1820
GI	none	Score	240
Exons	1664..1819, 1665..1820		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53919	Strand	+
Start	1	End	230
Name	OJ990414_06.9C10.C5.o1.np	Method	AAT/NAP
Start	1	End	227
GI	4580517	Score	255
Exons	1..227		
GI Descrip.	(AF036302) scarecrow-like 5 [Arabidopsis thaliana]		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53919	Strand	+
Start	1	End	230
Name	OJ990414_06.9C10.C5.o1.gs	Method	GENSCAN
Start	69	End	230
GI	none	Score	.84
Exons	69..230		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53920	Strand	-
Start	705	End	994
Name	OJ990414_06.9C10.C5.o1.gp	Method	AAT/GAP
Start	705	End	994
GI	3107123	Score	458
Exons	705..994		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o2.tc	Method	TBLASTX:Cress
Start	2	End	239
GI	none	Score	245
Exons	2..118, 3..239		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	3	End	236
GI	none	Score	324
Exons	3..230, 6..236, 7..234		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	3	End	227
GI	none	Score	266
Exons	3..227, 15..209		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	1004	End	3267
GI	none	Score	254
Exons	1004..1354, 1006..1458, 1011..1601, 1012..1599, 1376..1636, 1995..2156, 1995..2156, 1996..2157, 2260..2376, 2285..2392, 3090..3167, 3147..3266, 3154..3267		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o2.gs	Method	GENSCAN
Start	1032	End	6034
GI	none	Score	.71
Exons	1032..1599, 1996..2154, 2241..2406, 3008..3551, 4555..4728, 5789..6034		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o2.np	Method	AAT/NAP
Start	1035	End	6022
GI	4938502	Score	838
Exons	1035..1340, 1434..1599, 1996..2154, 2241..2406, 3008..3524, 4582..4728, 5746..6022		
GI Descrip.	(AL078465) putative protein [Arabidopsis thaliana]		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	1464	End	3272
GI	none	Score	67
Exons	1464..1511, 1542..1601, 1995..2057, 1996..2058, 3075..3269, 3096..3272, 3164..3271		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	1482	End	3282
GI	none	Score	67
Exons	1482..1559, 1542..1601, 1995..2081, 1996..2079, 3045..3281, 3063..3266, 3112..3282		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-

Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	1542	End	3410
GI	none	Score	62
Exons	1542..1601, 1995..2057, 1999..2058, 3102..3131, 3111..3407, 3112..3408, 3133..3408, 3138..3410		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o4.tm	Method	TBLASTX:Maize
Start	2987	End	4621
GI	none	Score	92
Exons	2987..3088, 3010..3087, 3018..3089, 3018..3089, 3267..3542, 3268..3522, 3271..3555, 3275..3565, 4555..4617, 4571..4621		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o2.gp	Method	AAT/GAP
Start	3275	End	5883
GI	none	Score	1011
Exons	3275..3551, 4554..4728, 5789..5883		

Seq. No.	25986	Seq. ID	OJ990414_06.9C10.C5
Gene No.	53921	Strand	-
Start	1032	End	6043
Name	OJ990414_06.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	4626	End	6043
GI	none	Score	37
Exons	4626..4655, 4649..4729, 4650..4730, 4651..4728, 5774..5908, 5793..5966, 5802..5888, 5945..6040, 5946..6041, 5954..6043, 6001..6042		

Seq. No.	25987	Seq. ID	OJ990414_06.9C10.C6
Gene No.	53922	Strand	+
Start	1314	End	5734
Name	OJ990414_06.9C10.C6.o1.gs	Method	GENSCAN
Start	1314	End	5734
GI	none	Score	.56
Exons	1314..1641, 3144..3305, 4901..5157, 5396..5476, 5576..5734		

Seq. No.	25988	Seq. ID	OJ990414_06.9C10.C7
Gene No.	53923	Strand	+
Start	1	End	1176
Name	OJ990414_06.9C10.C7.o1.np	Method	AAT/NAP
Start	1	End	380
GI	3885341	Score	184
Exons	1..380		
GI Descrip.	(AC005623) Mutator-like transposase [Arabidopsis thaliana]		

Seq. No.	25988	Seq. ID	OJ990414_06.9C10.C7
Gene No.	53923	Strand	+
Start	1	End	1176
Name	OJ990414_06.9C10.C7.o1.gs	Method	GENSCAN
Start	120	End	1176
GI	none	Score	.72

Exons	120..198, 867..928, 1015..1176		
Seq. No.	25988	Seq. ID	OJ990414_06.9C10.C7
Gene No.	53924	Strand	+
Start	6661	End	10074
Name	OJ990414_06.9C10.C7.o2.np	Method	AAT/NAP
Start	6661	End	9922
GI	3094014	Score	210
Exons	6661..6717, 7131..7234, 8357..8465, 9832..9922		
GI Descrip.	(AF060862) unknown [Homo sapiens]		
Seq. No.	25988	Seq. ID	OJ990414_06.9C10.C7
Gene No.	53924	Strand	+
Start	6661	End	10074
Name	OJ990414_06.9C10.C7.o1.gp	Method	AAT/GAP
Start	8344	End	8805
GI	none	Score	885
Exons	8344..8805		
Seq. No.	25988	Seq. ID	OJ990414_06.9C10.C7
Gene No.	53924	Strand	+
Start	6661	End	10074
Name	OJ990414_06.9C10.C7.o2.gp	Method	AAT/GAP
Start	9396	End	10074
GI	none	Score	1298
Exons	9396..10074		
Seq. No.	25988	Seq. ID	OJ990414_06.9C10.C7
Gene No.	53925	Strand	-
Start	5989	End	7208
Name	OJ990414_06.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	1	End	326
GI	none	Score	77
Exons	1..75, 84..326		
Seq. No.	25988	Seq. ID	OJ990414_06.9C10.C7
Gene No.	53925	Strand	-
Start	5989	End	7208
Name	OJ990414_06.9C10.C7.o3.gs	Method	GENSCAN
Start	5989	End	7208
GI	none	Score	.97
Exons	5989..6197, 6863..7208		
Seq. No.	25989	Seq. ID	OJ990414_06.9C10.C8
Gene No.	53926	Strand	+
Start	1	End	2680
Name	OJ990414_06.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	2680
GI	4678362	Score	309
Exons	1..27, 588..1000, 1661..1749, 2634..2680		
GI Descrip.	(AL049659) protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	25989	Seq. ID	OJ990414_06.9C10.C8
Gene No.	53926	Strand	+
Start	1	End	2680
Name	OJ990414_06.9C10.C8.o1.gs	Method	GENSCAN
Start	619	End	1014

GI	none	Score	1
Exons	619..1014		

Seq. No.	25989	Seq. ID	OJ990414_06.9C10.C8
Gene No.	53927	Strand	+
Start	5216	End	7355
Name	OJ990414_06.9C10.C8.o3.gs	Method	GENSCAN
Start	5216	End	7355
GI	none	Score	.58
Exons	5216..5384, 6078..6225, 6843..6986, 7075..7144, 7239..7355		

Seq. No.	25989	Seq. ID	OJ990414_06.9C10.C8
Gene No.	53928	Strand	-
Start	1567	End	2983
Name	OJ990414_06.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	621	End	993
GI	none	Score	342
Exons	621..878, 622..993		

Seq. No.	25989	Seq. ID	OJ990414_06.9C10.C8
Gene No.	53928	Strand	-
Start	1567	End	2983
Name	OJ990414_06.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	622	End	993
GI	none	Score	492
Exons	622..993, 624..974		

Seq. No.	25989	Seq. ID	OJ990414_06.9C10.C8
Gene No.	53928	Strand	-
Start	1567	End	2983
Name	OJ990414_06.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	624	End	993
GI	none	Score	573
Exons	624..977, 625..993		

Seq. No.	25989	Seq. ID	OJ990414_06.9C10.C8
Gene No.	53928	Strand	-
Start	1567	End	2983
Name	OJ990414_06.9C10.C8.o2.gs	Method	GENSCAN
Start	1567	End	2983
GI	none	Score	.57
Exons	1567..1785, 2678..2788, 2894..2983		

Seq. No.	25989	Seq. ID	OJ990414_06.9C10.C8
Gene No.	53929	Strand	
Start	6909	End	7361
Name	OJ990414_06.9C10.C8.o2.tm	Method	TBLASTX:Maize
Start	6909	End	7361
GI	none	Score	118
Exons	6909..6983, 6910..6987, 6927..7001, 7061..7144, 7082..7144, 7236..7292, 7238..7276, 7293..7361, 7302..7361		

Seq. No.	25990	Seq. ID	OJ990414_06.9C10.C9
Gene No.	53930	Strand	+
Start	66	End	1850
Name	OJ990414_06.9C10.C9.o1.gs	Method	GENSCAN
Start	66	End	1850

GI	none	Score	.84
Exons	66..272, 357..978, 1079..1360, 1372..1638, 1719..1850		

Seq. No.	25990	Seq. ID	OJ990414_06.9C10.C9
Gene No.	53930	Strand	+
Start	66	End	1850
Name	OJ990414_06.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	826	End	1225
GI	none	Score	101
Exons	826..975, 1073..1225, 1078..1224		

Seq. No.	25990	Seq. ID	OJ990414_06.9C10.C9
Gene No.	53930	Strand	+
Start	66	End	1850
Name	OJ990414_06.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	829	End	1255
GI	none	Score	107
Exons	829..972, 1082..1255		

Seq. No.	25991	Seq. ID	OJ990414_06.9C10.C10
Gene No.	53931	Strand	-
Start	1560	End	7251
Name	OJ990414_06.9C10.C10.o1.np	Method	AAT/NAP
Start	1560	End	7251
GI	1076802	Score	243
Exons	1560..1771, 2402..2865, 3711..3789, 6111..6572, 7199..7251		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	25992	Seq. ID	OJ990414_06.9C10.C11
Gene No.	53932	Strand	+
Start	247	End	1914
Name	OJ990414_06.9C10.C11.o1.gs	Method	GENSCAN
Start	247	End	1914
GI	none	Score	.62
Exons	247..256, 1361..1408, 1797..1853, 1892..1914		

Seq. No.	25993	Seq. ID	OJ990414_06.9C10.C12
Gene No.	53933	Strand	+
Start	873	End	942
Name	OJ990414_06.9C10.C12.o1.gs	Method	GENSCAN
Start	873	End	942
GI	none	Score	.54
Exons	873..942		

Seq. No.	25994	Seq. ID	OJ990414_06.9C10.C13
Gene No.	53934	Strand	+
Start	47	End	181
Name	OJ990414_06.9C10.C13.o1.gs	Method	GENSCAN
Start	47	End	181
GI	none	Score	.83
Exons	47..181		

Seq. No.	25995	Seq. ID	OJ990414_06.9C10.C14
Gene No.	53935	Strand	+
Start	614	End	2042

Name	OJ990414_06.9C10.C14.o1.gp	Method	AAT/GAP
Start	614	End	1114
GI	none	Score	912
Exons	614..1114		

Seq. No.	25995	Seq. ID	OJ990414_06.9C10.C14
Gene No.	53935	Strand	+
Start	614	End	2042
Name	OJ990414_06.9C10.C14.o1.gs	Method	GENSCAN
Start	660	End	1970
GI	none	Score	.92
Exons	660..1970		

Seq. No.	25995	Seq. ID	OJ990414_06.9C10.C14
Gene No.	53935	Strand	+
Start	614	End	2042
Name	OJ990414_06.9C10.C14.o1.np	Method	AAT/NAP
Start	902	End	2042
GI	6692260	Score	585
Exons	902..1067, 1140..2042		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	25995	Seq. ID	OJ990414_06.9C10.C14
Gene No.	53936	Strand	-
Start	1352	End	1994
Name	OJ990414_06.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	607	End	1994
GI	none	Score	286
Exons	607..747, 1235..1495, 1235..1627, 1254..1673, 1271..1513, 1350..1490, 1355..1480, 1394..1678, 1395..1784, 1431..1643, 1484..1612, 1511..1678, 1515..1679, 1518..1958, 1563..1694, 1658..1708, 1707..1790, 1719..1796, 1721..1795, 1788..1994, 1800..1970, 1868..1966, 1868..1963, 1884..1964, 1885..1944, 1887..1964, 1888..1980		

Seq. No.	25995	Seq. ID	OJ990414_06.9C10.C14
Gene No.	53936	Strand	-
Start	1352	End	1994
Name	OJ990414_06.9C10.C14.o1.ts	Method	TBLASTX:Soybean
Start	1265	End	1994
GI	none	Score	196
Exons	1265..1609, 1278..1745, 1281..1625, 1389..1526, 1398..1994, 1400..1822, 1515..1637, 1590..1991		

Seq. No.	25995	Seq. ID	OJ990414_06.9C10.C14
Gene No.	53936	Strand	-
Start	1352	End	1994
Name	OJ990414_06.9C10.C14.o1.tc	Method	TBLASTX:Cress
Start	1281	End	1970
GI	none	Score	164
Exons	1281..1628, 1290..1745, 1299..1388, 1385..1927, 1401..1970		

Seq. No.	25995	Seq. ID	OJ990414_06.9C10.C14
Gene No.	53936	Strand	-
Start	1352	End	1994
Name	OJ990414_06.9C10.C14.o2.gp	Method	AAT/GAP
Start	1352	End	1981

GI	12078_1.R1084	Score	1184
Exons	1352..1981		
GI Descrip.	'2245005/emb|CAB10425.1| 2.0e-49 (Z97341) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25996	Seq. ID	OJ990414_06.9C10.C17
Gene No.	53937	Strand	+
Start	58	End	86
Name	OJ990414_06.9C10.C17.o1.gs	Method	GENSCAN
Start	58	End	86
GI	none	Score	.77
Exons	58..86		

Seq. No.	25997	Seq. ID	OJ990414_06.9C10.C19
Gene No.	53938	Strand	+
Start	275	End	348
Name	OJ990414_06.9C10.C19.o1.gs	Method	GENSCAN
Start	275	End	348
GI	none	Score	.76
Exons	275..348		

Seq. No.	25997	Seq. ID	OJ990414_06.9C10.C19
Gene No.	53939	Strand	+
Start	923	End	1285
Name	OJ990414_06.9C10.C19.o2.gs	Method	GENSCAN
Start	923	End	1285
GI	none	Score	.97
Exons	923..1056, 1176..1285		

Seq. No.	25998	Seq. ID	OJ990414_06.9C10.C20
Gene No.	53940	Strand	+
Start	489	End	600
Name	OJ990414_06.9C10.C20.o1.gs	Method	GENSCAN
Start	489	End	600
GI	none	Score	.8
Exons	489..600		

Seq. No.	25999	Seq. ID	OJ990414_06.9C10.C21
Gene No.	53941	Strand	-
Start	222	End	478
Name	OJ990414_06.9C10.C21.o1.gp	Method	AAT/GAP
Start	222	End	478
GI	12078_1.R1084	Score	481
Exons	222..478		
GI Descrip.	'2245005/emb|CAB10425.1| 2.0e-49 (Z97341) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	25999	Seq. ID	OJ990414_06.9C10.C21
Gene No.	53942	Strand	-
Start	390	End	478
Name	OJ990414_06.9C10.C21.o1.gs	Method	GENSCAN
Start	390	End	478
GI	none	Score	.8
Exons	390..478		

Seq. No.	26000	Seq. ID	OJ990414_06.9C10.C22
Gene No.	53943	Strand	-

Start	610	End	1529
Name	OJ990414_06.9C10.C22.o1.gs	Method	GENSCAN
Start	610	End	1529
GI	none	Score	.72
Exons	610..917, 1172..1529		

Seq. No.	26001	Seq. ID	OJ990414_06.9C10.C23
Gene No.	53944	Strand	+
Start	1392	End	2156
Name	OJ990414_06.9C10.C23.o1.gs	Method	GENSCAN
Start	1392	End	2156
GI	none	Score	.89
Exons	1392..1574, 1594..2156		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53945	Strand	+
Start	912	End	1254
Name	OJ990414_06.9C10.C24.o1.gs	Method	GENSCAN
Start	912	End	1254
GI	none	Score	.92
Exons	912..972, 1137..1254		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53946	Strand	-
Start	190	End	672
Name	OJ990414_06.9C10.C24.o1.gp	Method	AAT/GAP
Start	190	End	672
GI	none	Score	859
Exons	190..672		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53947	Strand	-
Start	1519	End	3293
Name	OJ990414_06.9C10.C24.o2.gs	Method	GENSCAN
Start	1519	End	3293
GI	none	Score	.49
Exons	1519..1586, 1591..1782, 2006..2081, 2430..2579, 3240..3293		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53948	Strand	-
Start	6110	End	8400
Name	OJ990414_06.9C10.C24.o2.gp	Method	AAT/GAP
Start	6110	End	8400
GI	none	Score	849
Exons	6110..6518, 8330..8400		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53949	Strand	-
Start	8325	End	10070
Name	OJ990414_06.9C10.C24.o1.tw	Method	TBLASTX:Wheat
Start	5998	End	6388
GI	none	Score	34
Exons	5998..6033, 5998..6036, 6113..6172, 6114..6173, 6118..6177, 6125..6184, 6127..6186, 6136..6240, 6179..6196, 6191..6259, 6193..6228, 6195..6263, 6224..6265, 6228..6275, 6229..6279, 6230..6277, 6293..6334, 6294..6332, 6295..6333, 6305..6334, 6351..6386, 6352..6387, 6353..6388		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53949	Strand	-
Start	8325	End	10070
Name	OJ990414_06.9C10.C24.o1.tm	Method	TBLASTX:Maize
Start	6127	End	9905
GI	none	Score	53
Exons	6127..6162, 6154..6195, 6155..6196, 6161..6196, 6189..6230, 6191..6229, 6193..6234, 6228..6272, 6230..6277, 6231..6278, 6267..6380, 6268..6378, 6305..6379, 6360..6455, 6363..6455, 6377..6460, 6377..6457, 6452..6520, 6462..6521, 6481..6561, 8292..8609, 8330..8608, 8604..8723, 8608..8724, 8609..8731, 8718..9425, 8721..8825, 8722..9444, 8726..9445, 8777..9451, 9180..9230, 9216..9482, 9273..9416, 9283..9417, 9450..9512, 9471..9512, 9478..9513, 9490..9513, 9648..9893, 9648..9890, 9687..9854, 9721..9849, 9882..9905		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53949	Strand	-
Start	8325	End	10070
Name	OJ990414_06.9C10.C24.o1.np	Method	AAT/NAP
Start	8325	End	9872
GI	6648193	Score	1086
Exons	8325..9512, 9651..9872		
GI Descrip.	(AC013483) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53949	Strand	-
Start	8325	End	10070
Name	OJ990414_06.9C10.C24.o1.tc	Method	TBLASTX:Cress
Start	8460	End	9866
GI	none	Score	284
Exons	8460..8564, 8587..8619, 8946..9044, 9141..9425, 9142..9435, 9300..9416, 9471..9512, 9490..9513, 9648..9866, 9649..9849, 9654..9866, 9711..9866		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53949	Strand	-
Start	8325	End	10070
Name	OJ990414_06.9C10.C24.o1.ts	Method	TBLASTX:Soybean
Start	8551	End	9878
GI	none	Score	35
Exons	8551..8604, 8647..8673, 8721..8942, 8783..8890, 8916..8990, 8917..8973, 8970..8990, 8994..9161, 9040..9159, 9162..9425, 9166..9441, 9243..9416, 9477..9512, 9477..9512, 9648..9878, 9649..9849, 9654..9878, 9684..9854, 9721..9849		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53949	Strand	-
Start	8325	End	10070
Name	OJ990414_06.9C10.C24.o3.gp	Method	AAT/GAP
Start	8952	End	9386
GI	uC-osf1cyp005f12b1	Score	870
Exons	8952..9386		
GI Descrip.	'4938503/emb|CAB43861.1| 3.0e-39 (AL078465) hnRNP-like protein [Arabidopsis thaliana]'		

Seq. No.	26002	Seq. ID	OJ990414_06.9C10.C24
Gene No.	53949	Strand	-
Start	8325	End	10070
Name	OJ990414_06.9C10.C24.o4.gp	Method	AAT/GAP
Start	9435	End	10070
GI	7691_1.R1084	Score	555
Exons	9435..9512, 9651..9897, 10048..10070		
GI Descrip.	'4938503/emb|CAB43861.1| 8.0e-27 (AL078465) hnRNP-like protein [Arabidopsis thaliana]'		

Seq. No.	26003	Seq. ID	OJ990414_06.9C10.C25
Gene No.	53950	Strand	-
Start	1	End	4302
Name	OJ990414_06.9C10.C25.o1.np	Method	AAT/NAP
Start	1	End	4302
GI	2274845	Score	73
Exons	1..109, 190..230, 419..554, 627..736, 4279..4302		
GI Descrip.	(D88461) N-WASP [Rattus rattus]		

Seq. No.	26003	Seq. ID	OJ990414_06.9C10.C25
Gene No.	53950	Strand	-
Start	1	End	4302
Name	OJ990414_06.9C10.C25.o2.np	Method	AAT/NAP
Start	1	End	1615
GI	6721547	Score	97
Exons	1..154, 1531..1615		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	26003	Seq. ID	OJ990414_06.9C10.C25
Gene No.	53950	Strand	-
Start	1	End	4302
Name	OJ990414_06.9C10.C25.o1.gs	Method	GENSCAN
Start	36	End	1615
GI	none	Score	.63
Exons	36..165, 232..420, 571..719, 760..914, 1531..1615		

Seq. No.	26003	Seq. ID	OJ990414_06.9C10.C25
Gene No.	53950	Strand	-
Start	1	End	4302
Name	OJ990414_06.9C10.C25.o1.gp	Method	AAT/GAP
Start	99	End	420
GI	none	Score	563
Exons	99..420		

Seq. No.	26003	Seq. ID	OJ990414_06.9C10.C25
Gene No.	53950	Strand	-
Start	1	End	4302
Name	OJ990414_06.9C10.C25.o2.gs	Method	GENSCAN
Start	3906	End	4105
GI	none	Score	.47
Exons	3906..4105		

Seq. No.	26004	Seq. ID	OJ990414_06.9C10.C27
Gene No.	53951	Strand	-
Start	401	End	661
Name	OJ990414_06.9C10.C27.o1.gs	Method	GENSCAN
Start	401	End	661

GI	none	Score	.59
Exons	401..661		

Seq. No.	26005	Seq. ID	OJ990414_06.9C10.C28
Gene No.	53952	Strand	-
Start	616	End	703
Name	OJ990414_06.9C10.C28.o1.gp	Method	AAT/GAP
Start	616	End	703
GI	5867_1.R1084	Score	117
Exons	616..703		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	26006	Seq. ID	OJ990414_06.9C10.C29
Gene No.	53953	Strand	+
Start	549	End	10911
Name	OJ990414_06.9C10.C29.o1.gs	Method	GENSCAN
Start	549	End	10911
GI	none	Score	.69
Exons	549..655, 813..893, 2557..2748, 3130..3305, 3496..3629, 5333..5428, 5524..5548, 6547..6846, 6937..7154, 7282..7375, 7397..7470, 8917..9010, 10146..10212, 10337..10453, 10778..10832, 10866..10911		

Seq. No.	26006	Seq. ID	OJ990414_06.9C10.C29
Gene No.	53953	Strand	+
Start	549	End	10911
Name	OJ990414_06.9C10.C29.o1.np	Method	AAT/NAP
Start	5272	End	8882
GI	4755187	Score	46
Exons	5272..5319, 7286..7470, 8859..8882		
GI Descrip.	(AC007018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26007	Seq. ID	OJ990414_06.9C10.C30
Gene No.	53954	Strand	+
Start	1	End	829
Name	OJ990414_06.9C10.C30.o1.np	Method	AAT/NAP
Start	1	End	829
GI	6539581	Score	450
Exons	1..607, 760..829		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	26007	Seq. ID	OJ990414_06.9C10.C30
Gene No.	53954	Strand	+
Start	1	End	829
Name	OJ990414_06.9C10.C30.o1.gs	Method	GENSCAN
Start	120	End	644
GI	none	Score	.91
Exons	120..644		

Seq. No.	26007	Seq. ID	OJ990414_06.9C10.C30

Gene No.	53954	Strand	+
Start	1	End	829
Name	OJ990414_06.9C10.C30.o1.tm	Method	TBLASTX:Maize
Start	162	End	542
GI	none	Score	298
Exons	162..542, 245..541, 249..542		

Seq. No.	26007	Seq. ID	OJ990414_06.9C10.C30
Gene No.	53954	Strand	+
Start	1	End	829
Name	OJ990414_06.9C10.C30.o1.ts	Method	TBLASTX:Soybean
Start	219	End	638
GI	none	Score	318
Exons	219..638, 263..508		

Seq. No.	26008	Seq. ID	OJ990414_06.9C10.C31
Gene No.	53955	Strand	-
Start	159	End	429
Name	OJ990414_06.9C10.C31.o1.gp	Method	AAT/GAP
Start	159	End	429
GI	28754_1.R1084	Score	422
Exons	159..429		
GI Descrip.	'3935169 5.0e-12 (AC004557) F17L21.12 [Arabidopsis thaliana]'		

Seq. No.	26009	Seq. ID	OJ990414_06.9C10.C32
Gene No.	53956	Strand	-
Start	146	End	227
Name	OJ990414_06.9C10.C32.o1.gs	Method	GENSCAN
Start	146	End	227
GI	none	Score	.45
Exons	146..227		

Seq. No.	26010	Seq. ID	OJ990414_06.9C10.C33
Gene No.	53957	Strand	-
Start	79	End	368
Name	OJ990414_06.9C10.C33.o1.gs	Method	GENSCAN
Start	79	End	368
GI	none	Score	.82
Exons	79..230, 296..368		

Seq. No.	26011	Seq. ID	OJ990414_06.9C10.C34
Gene No.	53958	Strand	+
Start	41	End	514
Name	OJ990414_06.9C10.C34.o1.gp	Method	AAT/GAP
Start	41	End	514
GI	none	Score	666
Exons	41..250, 346..514		

Seq. No.	26012	Seq. ID	OJ990414_06.9C10.C35
Gene No.	53959	Strand	+
Start	169	End	1492
Name	OJ990414_06.9C10.C35.o1.gs	Method	GENSCAN
Start	169	End	1492
GI	none	Score	.71
Exons	169..276, 416..642, 1397..1492		

Seq. No.	26012	Seq. ID	OJ990414_06.9C10.C35

Gene No.	53959	Strand	+
Start	169	End	1492
Name	OJ990414_06.9C10.C35.o1.gp	Method	AAT/GAP
Start	266	End	1370
GI	none	Score	1716
Exons	266..297, 416..795, 891..1370		

Seq. No.	26012	Seq. ID	OJ990414_06.9C10.C35
Gene No.	53959	Strand	+
Start	169	End	1492
Name	OJ990414_06.9C10.C35.o1.ts	Method	TBLASTX:Soybean
Start	424	End	732
GI	none	Score	434
Exons	424..732, 425..727		

Seq. No.	26013	Seq. ID	OJ990414_06.9C10.C36
Gene No.	53960	Strand	-
Start	288	End	379
Name	OJ990414_06.9C10.C36.o1.gs	Method	GENSCAN
Start	288	End	379
GI	none	Score	.84
Exons	288..379		

Seq. No.	26014	Seq. ID	OJ990414_06.9C10.C41
Gene No.	53961	Strand	+
Start	411	End	573
Name	OJ990414_06.9C10.C41.o1.gs	Method	GENSCAN
Start	411	End	573
GI	none	Score	.85
Exons	411..573		

Seq. No.	26015	Seq. ID	OJ990414_06.9C10.C42
Gene No.	53962	Strand	+
Start	1	End	746
Name	OJ990414_06.9C10.C42.o1.np	Method	AAT/NAP
Start	1	End	746
GI	5932543	Score	345
Exons	1..403, 674..746		
GI Descrip.	(AC009465) putative mitogen activated protein kinase kinase [Arabidopsis thaliana]		

Seq. No.	26015	Seq. ID	OJ990414_06.9C10.C42
Gene No.	53962	Strand	+
Start	1	End	746
Name	OJ990414_06.9C10.C42.o1.tm	Method	TBLASTX:Maize
Start	2	End	405
GI	none	Score	118
Exons	2..88, 4..45, 92..400, 157..405		

Seq. No.	26015	Seq. ID	OJ990414_06.9C10.C42
Gene No.	53962	Strand	+
Start	1	End	746
Name	OJ990414_06.9C10.C42.o1.ts	Method	TBLASTX:Soybean
Start	2	End	405
GI	none	Score	118
Exons	2..88, 4..45, 92..400, 157..405		

Seq. No.	26015	Seq. ID	OJ990414_06.9C10.C42
Gene No.	53962	Strand	+
Start	1	End	746
Name	OJ990414_06.9C10.C42.o1.tc	Method	TBLASTX:Cress
Start	89	End	379
GI	none	Score	252
Exons	89..379, 151..366		

Seq. No.	26015	Seq. ID	OJ990414_06.9C10.C42
Gene No.	53962	Strand	+
Start	1	End	746
Name	OJ990414_06.9C10.C42.o1.gs	Method	GENSCAN
Start	101	End	403
GI	none	Score	.87
Exons	101..403		

Seq. No.	26016	Seq. ID	OJ990414_06.9C10.C46
Gene No.	53963	Strand	+
Start	1073	End	1615
Name	OJ990414_06.9C10.C46.o1.gs	Method	GENSCAN
Start	1073	End	1615
GI	none	Score	.61
Exons	1073..1200, 1258..1615		

Seq. No.	26016	Seq. ID	OJ990414_06.9C10.C46
Gene No.	53964	Strand	-
Start	1454	End	1568
Name	OJ990414_06.9C10.C46.o1.gp	Method	AAT/GAP
Start	1454	End	1568
GI	28754_1.R1084	Score	198
Exons	1454..1568		
GI Descrip.	'3935169 5.0e-12 (AC004557) F17L21.12 [Arabidopsis thaliana]'		

Seq. No.	26017	Seq. ID	OJ990414_06.9C10.C47
Gene No.	53965	Strand	+
Start	329	End	2661
Name	OJ990414_06.9C10.C47.o2.np	Method	AAT/NAP
Start	329	End	2661
GI	5042454	Score	314
Exons	329..358, 1529..1745, 2043..2661		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26017	Seq. ID	OJ990414_06.9C10.C47
Gene No.	53965	Strand	+
Start	329	End	2661
Name	OJ990414_06.9C10.C47.o1.gs	Method	GENSCAN
Start	663	End	2471
GI	none	Score	.84
Exons	663..2471		

Seq. No.	26017	Seq. ID	OJ990414_06.9C10.C47
Gene No.	53966	Strand	-
Start	226	End	730
Name	OJ990414_06.9C10.C47.o1.np	Method	AAT/NAP
Start	226	End	730
GI	6721512	Score	205
Exons	226..265, 378..414, 454..588, 616..730		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	26017	Seq. ID	OJ990414_06.9C10.C47
Gene No.	53967	Strand	
Start	2313	End	2660
Name	OJ990414_06.9C10.C47.o1.tw	Method	TBLASTX:Wheat
Start	2313	End	2660
GI	none	Score	74
Exons	2313..2426, 2336..2389, 2415..2660, 2432..2605		

Seq. No.	26018	Seq. ID	OJ990414_06.9C10.C48
Gene No.	53968	Strand	+
Start	1	End	864
Name	OJ990414_06.9C10.C48.o1.np	Method	AAT/NAP
Start	1	End	762
GI	5902444	Score	587
Exons	1..762		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	26018	Seq. ID	OJ990414_06.9C10.C48
Gene No.	53968	Strand	+
Start	1	End	864
Name	OJ990414_06.9C10.C48.o1.tw	Method	TBLASTX:Wheat
Start	139	End	864
GI	none	Score	109
Exons	139..309, 346..582, 348..572, 729..818, 730..819, 751..864, 759..824		

Seq. No.	26018	Seq. ID	OJ990414_06.9C10.C48
Gene No.	53968	Strand	+
Start	1	End	864
Name	OJ990414_06.9C10.C48.o1.gs	Method	GENSCAN
Start	151	End	765
GI	none	Score	.8
Exons	151..765		

Seq. No.	26019	Seq. ID	OJ990414_06.9C10.C49
Gene No.	53969	Strand	+
Start	1	End	2819
Name	OJ990414_06.9C10.C49.o4.np	Method	AAT/NAP
Start	1	End	2819
GI	6498441	Score	561
Exons	1..38, 1682..1997, 2181..2314, 2489..2819		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	26019	Seq. ID	OJ990414_06.9C10.C49
Gene No.	53969	Strand	+
Start	1	End	2819
Name	OJ990414_06.9C10.C49.o2.np	Method	AAT/NAP
Start	819	End	909
GI	6721561	Score	142
Exons	819..909		

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)

corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	26019	Seq. ID	OJ990414_06.9C10.C49
Gene No.	53969	Strand	+
Start	1	End	2819
Name	OJ990414_06.9C10.C49.o3.np	Method	AAT/NAP
Start	1691	End	2819
GI	5902445	Score	1133
Exons	1691..2819		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	26019	Seq. ID	OJ990414_06.9C10.C49
Gene No.	53969	Strand	+
Start	1	End	2819
Name	OJ990414_06.9C10.C49.o1.gs	Method	GENSCAN
Start	2049	End	2612
GI	none	Score	.76
Exons	2049..2612		

Seq. No.	26019	Seq. ID	OJ990414_06.9C10.C49
Gene No.	53970	Strand	-
Start	697	End	788
Name	OJ990414_06.9C10.C49.o1.np	Method	AAT/NAP
Start	697	End	788
GI	4680183	Score	130
Exons	697..788		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26019	Seq. ID	OJ990414_06.9C10.C49
Gene No.	53971	Strand	
Start	1687	End	2117
Name	OJ990414_06.9C10.C49.o2.tw	Method	TBLASTX:Wheat
Start	1687	End	2087
GI	none	Score	78
Exons	1687..1800, 1688..1801, 1803..2087, 1826..2086, 1875..1961		

Seq. No.	26019	Seq. ID	OJ990414_06.9C10.C49
Gene No.	53971	Strand	
Start	1687	End	2117
Name	OJ990414_06.9C10.C49.o1.tm	Method	TBLASTX:Maize
Start	1799	End	2117
GI	none	Score	357
Exons	1799..2107, 1803..2117		

Seq. No.	26019	Seq. ID	OJ990414_06.9C10.C49
Gene No.	53972	Strand	
Start	2172	End	2671
Name	OJ990414_06.9C10.C49.o2.tm	Method	TBLASTX:Maize
Start	2172	End	2528
GI	none	Score	306
Exons	2172..2528, 2181..2228, 2216..2488		

Seq. No.	26019	Seq. ID	OJ990414_06.9C10.C49
Gene No.	53972	Strand	
Start	2172	End	2671
Name	OJ990414_06.9C10.C49.o1.tw	Method	TBLASTX:Wheat

Start	2202	End	2608
GI	none	Score	426
Exons	2202..2606, 2216..2608, 2237..2608		

Seq. No.	26019	Seq. ID	OJ990414_06.9C10.C49
Gene No.	53972	Strand	
Start	2172	End	2671
Name	OJ990414_06.9C10.C49.o1.ts	Method	TBLASTX:Soybean
Start	2256	End	2671
GI	none	Score	256
Exons	2256..2618, 2282..2455, 2492..2527, 2591..2671		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53973	Strand	+
Start	2117	End	9442
Name	OJ990414_06.9C10.C50.o1.gs	Method	GENSCAN
Start	2117	End	9053
GI	none	Score	.61
Exons	2117..2201, 3363..3469, 4760..4850, 5727..5959, 6102..6248, 7298..7370, 7436..7587, 7680..8348, 8488..8714, 8963..9053		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53973	Strand	+
Start	2117	End	9442
Name	OJ990414_06.9C10.C50.o1.np	Method	AAT/NAP
Start	3280	End	4624
GI	6630699	Score	82
Exons	3280..3313, 4547..4624		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53973	Strand	+
Start	2117	End	9442
Name	OJ990414_06.9C10.C50.o2.np	Method	AAT/NAP
Start	4754	End	5190
GI	6539570	Score	124
Exons	4754..4955, 5117..5190		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53973	Strand	+
Start	2117	End	9442
Name	OJ990414_06.9C10.C50.o1.gp	Method	AAT/GAP
Start	8338	End	9442
GI	none	Score	1716
Exons	8338..8369, 8488..8867, 8963..9442		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53974	Strand	-
Start	10684	End	14538
Name	OJ990414_06.9C10.C50.o2.ts	Method	TBLASTX:Soybean
Start	7839	End	8360
GI	none	Score	141
Exons	7839..7958, 7848..7958, 7925..8059, 7953..8081, 7954..8061, 7955..8083, 8211..8360		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53974	Strand	-
Start	10684	End	14538
Name	OJ990414_06.9C10.C50.o1.ts	Method	TBLASTX:Soybean
Start	8496	End	8804
GI	none	Score	434
Exons	8496..8804, 8497..8799		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53974	Strand	-
Start	10684	End	14538
Name	OJ990414_06.9C10.C50.o2.gs	Method	GENSCAN
Start	10684	End	14216
GI	none	Score	.59
Exons	10684..10705, 10785..10851, 10961..11043, 11875..12048, 12115..12318, 12417..13157, 14209..14216		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53974	Strand	-
Start	10684	End	14538
Name	OJ990414_06.9C10.C50.o5.np	Method	AAT/NAP
Start	11875	End	14538
GI	4755187	Score	329
Exons	11875..12048, 12142..12318, 12417..12761, 14480..14538		
GI Descrip.	(AC007018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53974	Strand	-
Start	10684	End	14538
Name	OJ990414_06.9C10.C50.o1.tc	Method	TBLASTX:Cress
Start	11877	End	12208
GI	none	Score	120
Exons	11877..12044, 11887..12042, 12137..12208, 12144..12206		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53974	Strand	-
Start	10684	End	14538
Name	OJ990414_06.9C10.C50.o1.tm	Method	TBLASTX:Maize
Start	11877	End	12216
GI	none	Score	68
Exons	11877..12044, 11886..12035, 11887..12042, 12142..12216, 12144..12215		

Seq. No.	26020	Seq. ID	OJ990414_06.9C10.C50
Gene No.	53974	Strand	-
Start	10684	End	14538
Name	OJ990414_06.9C10.C50.o3.ts	Method	TBLASTX:Soybean
Start	11877	End	12727
GI	none	Score	74
Exons	11877..12044, 11880..12035, 11887..12051, 11887..12051, 12142..12213, 12144..12212, 12608..12727		

Seq. No.	26021	Seq. ID	OJ990414_06.9C10.C51
Gene No.	53975	Strand	+
Start	634	End	1192
Name	OJ990414_06.9C10.C51.o1.gs	Method	GENSCAN

Start	634	End	1192
GI	none	Score	.87
Exons	634..753, 1136..1192		

Seq. No.	26021	Seq. ID	OJ990414_06.9C10.C51
Gene No.	53976	Strand	-
Start	1333	End	3795
Name	OJ990414_06.9C10.C51.o1.np	Method	AAT/NAP
Start	1333	End	3795
GI	6587857	Score	172
Exons	1333..1371, 3488..3795		
GI Descrip.	(AC012680) putative Mutator-like transposase [Arabidopsis thaliana]		

Seq. No.	26021	Seq. ID	OJ990414_06.9C10.C51
Gene No.	53976	Strand	-
Start	1333	End	3795
Name	OJ990414_06.9C10.C51.o2.gs	Method	GENSCAN
Start	2323	End	3604
GI	none	Score	.7
Exons	2323..2576, 2627..2744, 3488..3604		

Seq. No.	26022	Seq. ID	OJ990414_06.9C10.C52
Gene No.	53977	Strand	
Start	126	End	362
Name	OJ990414_06.9C10.C52.o1.tm	Method	TBLASTX:Maize
Start	126	End	362
GI	none	Score	70
Exons	126..323, 129..362		

Seq. No.	26023	Seq. ID	OJ990414_06.9C10.C53
Gene No.	53978	Strand	-
Start	283	End	432
Name	OJ990414_06.9C10.C53.o1.gp	Method	AAT/GAP
Start	283	End	432
GI	28754_1.R1084	Score	259
Exons	283..432		
GI Descrip.	'3935169 5.0e-12 (AC004557) F17L21.12 [Arabidopsis thaliana]'		

Seq. No.	26024	Seq. ID	OJ990604_03.9C03.C1
Gene No.	53979	Strand	+
Start	1	End	120
Name	OJ990604_03.9C03.C1.o1.gp	Method	AAT/GAP
Start	1	End	120
GI	none	Score	228
Exons	1..120		

Seq. No.	26025	Seq. ID	OJ990604_03.9C03.C3
Gene No.	53980	Strand	-
Start	1	End	308
Name	OJ990604_03.9C03.C3.o1.gp	Method	AAT/GAP
Start	1	End	308
GI	uC-osflcyp084e10a1	Score	602
Exons	1..308		
GI Descrip.	'2618723 5.0e-15 (U49073) IAA17 [Arabidopsis thaliana] >gi_2921756 (AF040631) IAA17/AXR3 protein [Arabidopsis thaliana] >gi_4389514_gb_AAB70451_ (AC000104) Identical to Arabidopsis		

gb_AF040632 and gb_U49073 IAA17/AXR3 gene. ESTs gb_H36782 and gb_F14074 come from this gene. [Arabidopsis thaliana]'

Seq. No.	26026	Seq. ID	OJ990604_03.9C03.C8
Gene No.	53981	Strand	+
Start	203	End	680
Name	OJ990604_03.9C03.C8.o1.gs	Method	GENSCAN
Start	203	End	680
GI	none	Score	.81
Exons	203..412, 564..680		

Seq. No.	26027	Seq. ID	OJ990604_03.9C03.C9
Gene No.	53982	Strand	+
Start	1	End	663
Name	OJ990604_03.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	663
GI	479357	Score	498
Exons	1..663		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	26027	Seq. ID	OJ990604_03.9C03.C9
Gene No.	53982	Strand	+
Start	1	End	663
Name	OJ990604_03.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	3	End	659
GI	none	Score	187
Exons	3..167, 9..161, 11..166, 175..210, 180..230, 183..293, 258..584, 305..589, 639..659		

Seq. No.	26028	Seq. ID	OJ990604_03.9C03.C13
Gene No.	53983	Strand	-
Start	1	End	207
Name	OJ990604_03.9C03.C13.o1.gs	Method	GENSCAN
Start	1	End	207
GI	none	Score	.7
Exons	1..207		

Seq. No.	26029	Seq. ID	OJ990604_03.9C03.C14
Gene No.	53984	Strand	-
Start	293	End	670
Name	OJ990604_03.9C03.C14.o1.gs	Method	GENSCAN
Start	293	End	670
GI	none	Score	.78
Exons	293..670		

Seq. No.	26030	Seq. ID	OJ990604_03.9C03.C15
Gene No.	53985	Strand	-
Start	90	End	421
Name	OJ990604_03.9C03.C15.o1.gs	Method	GENSCAN
Start	90	End	421
GI	none	Score	.45
Exons	90..230, 385..421		

Seq. No.	26031	Seq. ID	OJ990604_03.9C03.C16
Gene No.	53986	Strand	+
Start	114	End	135

Name	OJ990604_03.9C03.C16.o1.gs	Method	GENSCAN
Start	114	End	135
GI	none	Score	.82
Exons	114..135		

Seq. No.	26032	Seq. ID	OJ990604_03.9C03.C19
Gene No.	53987	Strand	-
Start	155	End	506
Name	OJ990604_03.9C03.C19.o1.gs	Method	GENSCAN
Start	155	End	506
GI	none	Score	.81
Exons	155..362, 448..506		

Seq. No.	26033	Seq. ID	OJ990604_03.9C03.C21
Gene No.	53988	Strand	+
Start	95	End	208
Name	OJ990604_03.9C03.C21.o1.gs	Method	GENSCAN
Start	95	End	208
GI	none	Score	.93
Exons	95..208		

Seq. No.	26034	Seq. ID	OJ990604_03.9C03.C24
Gene No.	53989	Strand	-
Start	1	End	742
Name	OJ990604_03.9C03.C24.o1.np	Method	AAT/NAP
Start	1	End	742
GI	4678347	Score	250
Exons	1..93, 410..742		
GI Descrip.	(AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	26034	Seq. ID	OJ990604_03.9C03.C24
Gene No.	53989	Strand	-
Start	1	End	742
Name	OJ990604_03.9C03.C24.o1.ts	Method	TBLASTX:Soybean
Start	1	End	677
GI	none	Score	75
Exons	1..96, 2..79, 480..677, 497..676, 498..677		

Seq. No.	26034	Seq. ID	OJ990604_03.9C03.C24
Gene No.	53989	Strand	-
Start	1	End	742
Name	OJ990604_03.9C03.C24.o1.tm	Method	TBLASTX:Maize
Start	434	End	677
GI	none	Score	90
Exons	434..676, 444..677		

Seq. No.	26035	Seq. ID	OJ990604_03.9C03.C25
Gene No.	53990	Strand	-
Start	1	End	665
Name	OJ990604_03.9C03.C25.o1.np	Method	AAT/NAP
Start	1	End	665
GI	5734736	Score	545
Exons	1..665		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26035	Seq. ID	OJ990604_03.9C03.C25
Gene No.	53990	Strand	-

Start	1	End	665
Name	OJ990604_03.9C03.C25.o1.tw	Method	TBLASTX:Wheat
Start	1	End	345
GI	none	Score	128
Exons	1..345, 2..280		

Seq. No.	26035	Seq. ID	OJ990604_03.9C03.C25
Gene No.	53990	Strand	-
Start	1	End	665
Name	OJ990604_03.9C03.C25.o1.tm	Method	TBLASTX:Maize
Start	4	End	387
GI	none	Score	266
Exons	4..387		

Seq. No.	26035	Seq. ID	OJ990604_03.9C03.C25
Gene No.	53990	Strand	-
Start	1	End	665
Name	OJ990604_03.9C03.C25.o1.gs	Method	GENSCAN
Start	39	End	355
GI	none	Score	.56
Exons	39..355		

Seq. No.	26035	Seq. ID	OJ990604_03.9C03.C25
Gene No.	53990	Strand	-
Start	1	End	665
Name	OJ990604_03.9C03.C25.o1.ts	Method	TBLASTX:Soybean
Start	148	End	480
GI	none	Score	140
Exons	148..480, 158..448, 307..384		

Seq. No.	26036	Seq. ID	OJ990604_03.9C03.C26
Gene No.	53991	Strand	+
Start	557	End	694
Name	OJ990604_03.9C03.C26.o1.gs	Method	GENSCAN
Start	557	End	694
GI	none	Score	.88
Exons	557..694		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53992	Strand	+
Start	1	End	3841
Name	OJ990604_03.9C03.C27.o1.np	Method	AAT/NAP
Start	1	End	3841
GI	4335731	Score	2628
Exons	1..533, 601..1531, 1562..3841		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53992	Strand	+
Start	1	End	3841
Name	OJ990604_03.9C03.C27.o1.gs	Method	GENSCAN
Start	117	End	3838
GI	none	Score	.54
Exons	117..418, 495..2041, 2079..2234, 2307..3838		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27

Gene No.	53993	Strand	+
Start	4793	End	6807
Name	OJ990604_03.9C03.C27.o2.gs	Method	GENSCAN
Start	4793	End	6807
GI	none	Score	.86
Exons	4793..5138, 5272..5445, 6614..6807		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o6.ts	Method	TBLASTX:Soybean
Start	165	End	404
GI	none	Score	205
Exons	165..404		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o5.ts	Method	TBLASTX:Soybean
Start	1177	End	1509
GI	none	Score	255
Exons	1177..1509, 1209..1499, 1273..1350		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o2.tw	Method	TBLASTX:Wheat
Start	1312	End	1944
GI	none	Score	363
Exons	1312..1773, 1377..1760, 1444..1761, 1783..1884, 1849..1944		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o2.tm	Method	TBLASTX:Maize
Start	1369	End	2007
GI	none	Score	67
Exons	1369..1437, 1437..1736, 1438..2007		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o1.ts	Method	TBLASTX:Soybean
Start	1546	End	2052
GI	none	Score	541
Exons	1546..2052, 1548..1919		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o3.tc	Method	TBLASTX:Cress
Start	1561	End	2010
GI	none	Score	281
Exons	1561..2004, 1579..2010		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-

Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o2.ts	Method	TBLASTX:Soybean
Start	2303	End	2815
GI	5509260	Score	513
Exons	2303..2815, 2306..2590, 2311..2664, 2630..2713, 2731..2787		
GI Descrip.	-		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o2.tc	Method	TBLASTX:Cress
Start	2425	End	2698
GI	none	Score	284
Exons	2425..2664, 2426..2698		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o1.tw	Method	TBLASTX:Wheat
Start	2479	End	3136
GI	none	Score	313
Exons	2479..2610, 2480..2824, 2819..3025, 3038..3136		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o3.tm	Method	TBLASTX:Maize
Start	2479	End	2944
GI	none	Score	382
Exons	2479..2616, 2480..2944, 2638..2787		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o3.ts	Method	TBLASTX:Soybean
Start	2965	End	3373
GI	none	Score	467
Exons	2965..3372, 2966..3373		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o1.tc	Method	TBLASTX:Cress
Start	3167	End	3826
GI	none	Score	137
Exons	3167..3352, 3368..3451, 3464..3589, 3595..3780, 3596..3826		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o1.tm	Method	TBLASTX:Maize
Start	3179	End	3826
GI	none	Score	363
Exons	3179..3583, 3376..3582, 3608..3826, 3616..3684		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-

Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o3.tw	Method	TBLASTX:Wheat
Start	3320	End	3796
GI	none	Score	173
Exons	3320..3583, 3346..3585, 3598..3684, 3599..3796		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o4.ts	Method	TBLASTX:Soybean
Start	3385	End	3703
GI	none	Score	414
Exons	3385..3693, 3386..3703, 3509..3700		

Seq. No.	26037	Seq. ID	OJ990604_03.9C03.C27
Gene No.	53994	Strand	-
Start	7800	End	8261
Name	OJ990604_03.9C03.C27.o3.gs	Method	GENSCAN
Start	7800	End	8261
GI	none	Score	.91
Exons	7800..8261		

Seq. No.	26038	Seq. ID	OJ990604_03.9C03.C28
Gene No.	53995	Strand	+
Start	954	End	1021
Name	OJ990604_03.9C03.C28.o1.gs	Method	GENSCAN
Start	954	End	1021
GI	none	Score	.59
Exons	954..1021		

Seq. No.	26039	Seq. ID	OJ990604_03.9C03.C29
Gene No.	53996	Strand	+
Start	1	End	4698
Name	OJ990604_03.9C03.C29.o1.np	Method	AAT/NAP
Start	1	End	268
GI	4874290	Score	228
Exons	1..268		
GI Descrip.	(AC007212) putative purple acid phosphatase precursor [Arabidopsis thaliana]		

Seq. No.	26039	Seq. ID	OJ990604_03.9C03.C29
Gene No.	53996	Strand	+
Start	1	End	4698
Name	OJ990604_03.9C03.C29.o2.np	Method	AAT/NAP
Start	1	End	4698
GI	5257244	Score	50
Exons	1..46, 803..985, 1365..1485, 3106..3187, 4661..4698		
GI Descrip.	(AB026542) WASP-family protein [Homo sapiens]		

Seq. No.	26039	Seq. ID	OJ990604_03.9C03.C29
Gene No.	53996	Strand	+
Start	1	End	4698
Name	OJ990604_03.9C03.C29.o1.tm	Method	TBLASTX:Maize
Start	2	End	250
GI	none	Score	271
Exons	2..250, 19..243		

Seq. No.	26039	Seq. ID	OJ990604_03.9C03.C29
Gene No.	53996	Strand	+
Start	1	End	4698
Name	OJ990604_03.9C03.C29.o1.ts	Method	TBLASTX:Soybean
Start	2	End	193
GI	none	Score	217
Exons	2..193, 16..192		

Seq. No.	26039	Seq. ID	OJ990604_03.9C03.C29
Gene No.	53996	Strand	+
Start	1	End	4698
Name	OJ990604_03.9C03.C29.o1.tc	Method	TBLASTX:Cress
Start	19	End	268
GI	none	Score	268
Exons	19..192, 20..268		

Seq. No.	26039	Seq. ID	OJ990604_03.9C03.C29
Gene No.	53996	Strand	+
Start	1	End	4698
Name	OJ990604_03.9C03.C29.o1.gs	Method	GENSCAN
Start	101	End	4219
GI	none	Score	.5
Exons	101..223, 808..899, 1425..1527, 2014..2125, 3145..3476, 4097..4219		

Seq. No.	26040	Seq. ID	OJ990604_03.9C03.C30
Gene No.	53997	Strand	+
Start	1747	End	4742
Name	OJ990604_03.9C03.C30.o1.np	Method	AAT/NAP
Start	1747	End	4742
GI	6579198	Score	588
Exons	1747..1802, 2806..2864, 3242..3948, 4704..4742		
GI Descrip.	(AC011438) T23G18.14 [Arabidopsis thaliana]		

Seq. No.	26040	Seq. ID	OJ990604_03.9C03.C30
Gene No.	53997	Strand	+
Start	1747	End	4742
Name	OJ990604_03.9C03.C30.o2.gs	Method	GENSCAN
Start	2808	End	4615
GI	none	Score	.94
Exons	2808..3146, 3190..3978, 4556..4615		

Seq. No.	26040	Seq. ID	OJ990604_03.9C03.C30
Gene No.	53997	Strand	+
Start	1747	End	4742
Name	OJ990604_03.9C03.C30.o1.gp	Method	AAT/GAP
Start	3539	End	4224
GI	68965_1.R1084	Score	1324
Exons	3539..4224		
GI Descrip.	'5360180/gb|AAD42896.1|AF159883_1 1.0e-94 (AF159883) Cen-like protein FDR1 [Oryza sativa]'		

Seq. No.	26040	Seq. ID	OJ990604_03.9C03.C30
Gene No.	53998	Strand	+
Start	7537	End	8568
Name	OJ990604_03.9C03.C30.o2.ts	Method	TBLASTX:Soybean
Start	3370	End	3651

GI	none	Score	128
Exons	3370..3477, 3490..3591, 3613..3651		

Seq. No.	26040	Seq. ID	OJ990604_03.9C03.C30
Gene No.	53998	Strand	+
Start	7537	End	8568
Name	OJ990604_03.9C03.C30.o1.tm	Method	TBLASTX:Maize
Start	3598	End	3942
GI	none	Score	409
Exons	3598..3942, 3663..3863		

Seq. No.	26040	Seq. ID	OJ990604_03.9C03.C30
Gene No.	53998	Strand	+
Start	7537	End	8568
Name	OJ990604_03.9C03.C30.o1.ts	Method	TBLASTX:Soybean
Start	3730	End	3954
GI	none	Score	292
Exons	3730..3954, 3744..3863		

Seq. No.	26040	Seq. ID	OJ990604_03.9C03.C30
Gene No.	53998	Strand	+
Start	7537	End	8568
Name	OJ990604_03.9C03.C30.o2.np	Method	AAT/NAP
Start	7524	End	7686
GI	2583110	Score	82
Exons	7524..7686		
GI Descrip.	(AC002387) unknown protein [Arabidopsis thaliana]		

Seq. No.	26040	Seq. ID	OJ990604_03.9C03.C30
Gene No.	53998	Strand	+
Start	7537	End	8568
Name	OJ990604_03.9C03.C30.o3.gs	Method	GENSCAN
Start	7537	End	8568
GI	none	Score	.97
Exons	7537..7778, 7976..8051, 8443..8568		

Seq. No.	26041	Seq. ID	OJ990604_03.9C03.C31
Gene No.	53999	Strand	+
Start	323	End	3780
Name	OJ990604_03.9C03.C31.o1.gs	Method	GENSCAN
Start	323	End	3422
GI	none	Score	.41
Exons	323..608, 1157..1323, 1676..1945, 2268..2465, 2629..2796, 3096..3422		

Seq. No.	26041	Seq. ID	OJ990604_03.9C03.C31
Gene No.	53999	Strand	+
Start	323	End	3780
Name	OJ990604_03.9C03.C31.o2.np	Method	AAT/NAP
Start	2626	End	3780
GI	3645899	Score	759
Exons	2626..3780		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	26041	Seq. ID	OJ990604_03.9C03.C31
Gene No.	53999	Strand	+
Start	323	End	3780

Name	OJ990604_03.9C03.C31.o1.tw	Method	TBLASTX:Wheat
Start	3147	End	3607
GI	none	Score	74
Exons	3147..3281, 3321..3380, 3383..3607, 3428..3598, 3433..3606		

Seq. No.	26041	Seq. ID	OJ990604_03.9C03.C31
Gene No.	53999	Strand	+
Start	323	End	3780
Name	OJ990604_03.9C03.C31.o1.tm	Method	TBLASTX:Maize
Start	3276	End	3763
GI	none	Score	84
Exons	3276..3341, 3359..3763, 3403..3762		

Seq. No.	26041	Seq. ID	OJ990604_03.9C03.C31
Gene No.	53999	Strand	+
Start	323	End	3780
Name	OJ990604_03.9C03.C31.o1.ts	Method	TBLASTX:Soybean
Start	3449	End	3760
GI	none	Score	256
Exons	3449..3760, 3467..3658, 3469..3753		

Seq. No.	26042	Seq. ID	OJ990604_03.9C03.C32
Gene No.	54000	Strand	+
Start	1	End	1079
Name	OJ990604_03.9C03.C32.o1.np	Method	AAT/NAP
Start	1	End	1079
GI	3777527	Score	1062
Exons	1..1079		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	26042	Seq. ID	OJ990604_03.9C03.C32
Gene No.	54000	Strand	+
Start	1	End	1079
Name	OJ990604_03.9C03.C32.o1.ts	Method	TBLASTX:Soybean
Start	24	End	637
GI	5509260	Score	648
Exons	24..74, 87..317, 96..632, 131..334, 380..637		
GI Descrip.	-		

Seq. No.	26042	Seq. ID	OJ990604_03.9C03.C32
Gene No.	54000	Strand	+
Start	1	End	1079
Name	OJ990604_03.9C03.C32.o1.tw	Method	TBLASTX:Wheat
Start	153	End	629
GI	none	Score	80
Exons	153..236, 171..242, 222..623, 284..334, 421..624, 443..613, 450..629		

Seq. No.	26042	Seq. ID	OJ990604_03.9C03.C32
Gene No.	54000	Strand	+
Start	1	End	1079
Name	OJ990604_03.9C03.C32.o1.tc	Method	TBLASTX:Cress
Start	258	End	518
GI	none	Score	225
Exons	258..518		

Seq. No.	26042	Seq. ID	OJ990604_03.9C03.C32

Gene No.	54000	Strand	+
Start	1	End	1079
Name	OJ990604_03.9C03.C32.o1.tm	Method	TBLASTX:Maize
Start	299	End	764
GI	none	Score	499
Exons	299..673, 300..737, 447..764		

Seq. No.	26042	Seq. ID	OJ990604_03.9C03.C32
Gene No.	54000	Strand	+
Start	1	End	1079
Name	OJ990604_03.9C03.C32.o2.ts	Method	TBLASTX:Soybean
Start	774	End	1079
GI	none	Score	244
Exons	774..1079, 791..937, 998..1051		

Seq. No.	26042	Seq. ID	OJ990604_03.9C03.C32
Gene No.	54000	Strand	+
Start	1	End	1079
Name	OJ990604_03.9C03.C32.o2.tm	Method	TBLASTX:Maize
Start	806	End	1079
GI	none	Score	299
Exons	806..943, 807..1079, 998..1075		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54001	Strand	+
Start	1	End	514
Name	OJ990604_03.9C03.C33.o1.np	Method	AAT/NAP
Start	1	End	514
GI	6630685	Score	445
Exons	1..514		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54002	Strand	+
Start	1725	End	4876
Name	OJ990604_03.9C03.C33.o2.np	Method	AAT/NAP
Start	1725	End	4876
GI	6539588	Score	208
Exons	1725..1747, 2462..2697, 4827..4876		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54003	Strand	-
Start	4741	End	7205
Name	OJ990604_03.9C03.C33.o2.gs	Method	GENSCAN
Start	4741	End	7098
GI	none	Score	.49
Exons	4741..5244, 6898..7098		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54003	Strand	-
Start	4741	End	7205
Name	OJ990604_03.9C03.C33.o1.gp	Method	AAT/GAP
Start	5856	End	7205
GI	5360179	Score	1750
Exons	5856..6351, 6440..6480, 6731..6792, 6898..7205		

GI Descrip.	5360180/gb|AAD42896.1|AF159883_1 1.0e-94 (AF159883) Cen-like protein FDR1 [Oryza sativa]		
Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54003	Strand	-
Start	4741	End	7205
Name	OJ990604_03.9C03.C33.o3.np	Method	AAT/NAP
Start	6137	End	7098
GI	5360180	Score	812
Exons	6137..6351, 6440..6480, 6731..6792, 6898..7098		
GI Descrip.	(AF159883) Cen-like protein FDR1 [Oryza sativa]		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54004	Strand	-
Start	8438	End	9641
Name	OJ990604_03.9C03.C33.o1.tm	Method	TBLASTX:Maize
Start	63	End	496
GI	none	Score	133
Exons	63..158, 71..154, 160..465, 161..496		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54004	Strand	-
Start	8438	End	9641
Name	OJ990604_03.9C03.C33.o2.ts	Method	TBLASTX:Soybean
Start	63	End	526
GI	none	Score	110
Exons	63..161, 266..526		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54004	Strand	-
Start	8438	End	9641
Name	OJ990604_03.9C03.C33.o1.ts	Method	TBLASTX:Soybean
Start	6141	End	6792
GI	none	Score	84
Exons	6141..6335, 6148..6336, 6148..6336, 6152..6352, 6186..6353, 6435..6479, 6439..6480, 6730..6792, 6731..6790		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54004	Strand	-
Start	8438	End	9641
Name	OJ990604_03.9C03.C33.o2.tm	Method	TBLASTX:Maize
Start	6150	End	7105
GI	none	Score	51
Exons	6150..6239, 6152..6244, 6186..6242, 6242..6352, 6243..6353, 6435..6479, 6436..6480, 6693..6788, 6730..6792, 6731..6793, 6889..7104, 6890..7105		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54004	Strand	-
Start	8438	End	9641
Name	OJ990604_03.9C03.C33.o1.tc	Method	TBLASTX:Cress
Start	6152	End	7093
GI	none	Score	73
Exons	6152..6274, 6186..6260, 6254..6352, 6255..6353, 6435..6479, 6436..6480, 6730..6792, 6731..6793, 6889..7089, 6890..7093		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33

Gene No.	54004	Strand	-
Start	8438	End	9641
Name	OJ990604_03.9C03.C33.o3.ts	Method	TBLASTX:Soybean
Start	6889	End	7086
GI	none	Score	86
Exons	6889..6990, 6890..6991, 6991..7086, 6998..7084		

Seq. No.	26043	Seq. ID	OJ990604_03.9C03.C33
Gene No.	54004	Strand	-
Start	8438	End	9641
Name	OJ990604_03.9C03.C33.o3.gs	Method	GENSCAN
Start	8438	End	9641
GI	none	Score	.82
Exons	8438..8457, 8845..8993, 9161..9210, 9462..9641		

Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54005	Strand	+
Start	370	End	4859
Name	OJ990604_03.9C03.C34.o1.gs	Method	GENSCAN
Start	370	End	4831
GI	none	Score	.64
Exons	370..449, 2010..2187, 2854..3051, 3176..3387, 3951..4215, 4532..4831		

Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54005	Strand	+
Start	370	End	4859
Name	OJ990604_03.9C03.C34.o1.np	Method	AAT/NAP
Start	2714	End	4859
GI	4678347	Score	842
Exons	2714..3051, 3172..3387, 3951..4215, 4532..4859		
GI Descrip.	(AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54006	Strand	-
Start	5365	End	6623
Name	OJ990604_03.9C03.C34.o1.tm	Method	TBLASTX:Maize
Start	2826	End	4107
GI	none	Score	214
Exons	2826..2873, 2862..3029, 2863..3051, 2921..3031, 2922..3059, 3160..3231, 3173..3388, 3202..3387, 3337..3405, 3949..3999, 3991..4107		

Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54006	Strand	-
Start	5365	End	6623
Name	OJ990604_03.9C03.C34.o2.ts	Method	TBLASTX:Soybean
Start	2857	End	3277
GI	none	Score	222
Exons	2857..3018, 2865..3026, 2898..3026, 3176..3277, 3182..3247		

Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54006	Strand	-
Start	5365	End	6623
Name	OJ990604_03.9C03.C34.o1.tc	Method	TBLASTX:Cress
Start	2863	End	3388
GI	none	Score	227

Exons	2863..3051, 2865..3005, 3173..3388		
Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54006	Strand	-
Start	5365	End	6623
Name	OJ990604_03.9C03.C34.o1.tw	Method	TBLASTX:Wheat
Start	2887	End	3388
GI	none	Score	172
Exons	2887..3048, 2895..3047, 3174..3227, 3176..3388		
Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54006	Strand	-
Start	5365	End	6623
Name	OJ990604_03.9C03.C34.o1.ts	Method	TBLASTX:Soybean
Start	3278	End	4816
GI	none	Score	166
Exons	3278..3388, 3948..4127, 3948..4145, 3949..4128, 4529..4816, 4546..4809		
Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54006	Strand	-
Start	5365	End	6623
Name	OJ990604_03.9C03.C34.o2.tc	Method	TBLASTX:Cress
Start	4051	End	4851
GI	none	Score	73
Exons	4051..4200, 4529..4810, 4540..4851, 4541..4822		
Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54006	Strand	-
Start	5365	End	6623
Name	OJ990604_03.9C03.C34.o2.tm	Method	TBLASTX:Maize
Start	4508	End	4827
GI	none	Score	314
Exons	4508..4819, 4520..4822, 4534..4827		
Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54006	Strand	-
Start	5365	End	6623
Name	OJ990604_03.9C03.C34.o2.gs	Method	GENSCAN
Start	5365	End	6623
GI	none	Score	.93
Exons	5365..5994, 6024..6623		
Seq. No.	26044	Seq. ID	OJ990604_03.9C03.C34
Gene No.	54006	Strand	-
Start	5365	End	6623
Name	OJ990604_03.9C03.C34.o2.tw	Method	TBLASTX:Wheat
Start	6384	End	6611
GI	none	Score	179
Exons	6384..6611		
Seq. No.	26045	Seq. ID	OJ990604_03.9C03.C35
Gene No.	54007	Strand	+
Start	1306	End	4533
Name	OJ990604_03.9C03.C35.o1.np	Method	AAT/NAP
Start	1306	End	4533
GI	5852093	Score	44

Exons	1306..1351, 2686..2804, 4500..4533		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	26045	Seq. ID	OJ990604_03.9C03.C35
Gene No.	54008	Strand	-
Start	2225	End	4829
Name	OJ990604_03.9C03.C35.o2.np	Method	AAT/NAP
Start	2225	End	4829
GI	6539570	Score	207
Exons	2225..2243, 4415..4485, 4636..4829		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	26045	Seq. ID	OJ990604_03.9C03.C35
Gene No.	54009	Strand	-
Start	4966	End	5071
Name	OJ990604_03.9C03.C35.o3.np	Method	AAT/NAP
Start	4966	End	5071
GI	6630699	Score	87
Exons	4966..5071		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	26045	Seq. ID	OJ990604_03.9C03.C35
Gene No.	54010	Strand	-
Start	7411	End	10195
Name	OJ990604_03.9C03.C35.o3.gs	Method	GENSCAN
Start	7411	End	10195
GI	none	Score	.75
Exons	7411..7502, 8160..8283, 8430..8674, 8709..8981, 9290..9413, 9588..9795, 10161..10195		
Seq. No.	26046	Seq. ID	OJ990604_03.9C03.C36
Gene No.	54011	Strand	+
Start	148	End	1312
Name	OJ990604_03.9C03.C36.o1.gs	Method	GENSCAN
Start	148	End	1129
GI	none	Score	.59
Exons	148..209, 965..1129		
Seq. No.	26046	Seq. ID	OJ990604_03.9C03.C36
Gene No.	54011	Strand	+
Start	148	End	1312
Name	OJ990604_03.9C03.C36.o1.np	Method	AAT/NAP
Start	528	End	1312
GI	6939224	Score	353
Exons	528..791, 921..1129, 1219..1312		
GI Descrip.	(AC020579) unknown protein [Arabidopsis thaliana]		
Seq. No.	26046	Seq. ID	OJ990604_03.9C03.C36
Gene No.	54011	Strand	+
Start	148	End	1312
Name	OJ990604_03.9C03.C36.o1.tm	Method	TBLASTX:Maize
Start	557	End	971
GI	none	Score	165
Exons	557..655, 558..683, 558..683, 565..684, 673..723, 684..722, 686..730, 720..782, 725..784, 726..782, 918..971, 919..966		

Seq. No.	26046	Seq. ID	OJ990604_03.9C03.C36
Gene No.	54011	Strand	+
Start	148	End	1312
Name	OJ990604_03.9C03.C36.o1.ts	Method	TBLASTX:Soybean
Start	597	End	1300
GI	none	Score	84
Exons	597..683, 921..1073, 1107..1130, 1217..1300		

Seq. No.	26047	Seq. ID	OJ990604_03.9C03.C37
Gene No.	54012	Strand	+
Start	180	End	1538
Name	OJ990604_03.9C03.C37.o1.tm	Method	TBLASTX:Maize
Start	177	End	607
GI	none	Score	171
Exons	177..332, 324..389, 476..526, 518..607		

Seq. No.	26047	Seq. ID	OJ990604_03.9C03.C37
Gene No.	54012	Strand	+
Start	180	End	1538
Name	OJ990604_03.9C03.C37.o1.gs	Method	GENSCAN
Start	180	End	1538
GI	none	Score	.47
Exons	180..388, 692..891, 1427..1538		

Seq. No.	26047	Seq. ID	OJ990604_03.9C03.C37
Gene No.	54012	Strand	+
Start	180	End	1538
Name	OJ990604_03.9C03.C37.o1.ts	Method	TBLASTX:Soybean
Start	180	End	619
GI	none	Score	152
Exons	180..332, 366..389, 476..619		

Seq. No.	26047	Seq. ID	OJ990604_03.9C03.C37
Gene No.	54012	Strand	+
Start	180	End	1538
Name	OJ990604_03.9C03.C37.o1.np	Method	AAT/NAP
Start	180	End	1295
GI	6939226	Score	410
Exons	180..388, 478..793, 1030..1295		
GI Descrip.	(AC020579) unknown protein [Arabidopsis thaliana]		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o1.np	Method	AAT/NAP
Start	1	End	4742
GI	2462828	Score	978
Exons	1..121, 1321..2921, 2952..3213, 4722..4742		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o1.tm	Method	TBLASTX:Maize
Start	1283	End	2498
GI	none	Score	57

Exons	1283..1330, 1290..1331, 1296..1346, 1346..1609, 1347..1598, 1347..1628, 1348..1605, 1458..1703, 1500..1673, 1566..1634, 1569..1814, 1598..1774, 1599..1778, 1605..1784, 1606..1779, 1665..1904, 1710..1874, 1711..1866, 1761..1814, 1779..2048, 1779..1814, 1780..1815, 1815..1970, 1989..2024, 2013..2243, 2025..2192, 2086..2337, 2088..2333, 2094..2126, 2130..2297, 2190..2444, 2194..2358, 2235..2390, 2340..2498		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o1.gs	Method	GENSCAN
Start	1290	End	3440
GI	none	Score	.98
Exons	1290..3440		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o1.tc	Method	TBLASTX:Cress
Start	1338	End	2891
GI	none	Score	69
Exons	1338..1568, 1350..1625, 1350..1547, 1353..1523, 1353..1436, 1419..1628, 1458..1832, 1461..1805, 1554..1745, 1566..1931, 1659..1853, 1660..1932, 1665..2036, 1674..1865, 1734..1934, 1776..2165, 1839..2048, 1866..2228, 1876..2229, 1989..2177, 1989..2333, 2026..2334, 2067..2297, 2088..2444, 2161..2238, 2166..2399, 2190..2531, 2194..2532, 2271..2507, 2295..2567, 2299..2565, 2379..2531, 2391..2531, 2559..2645, 2559..2651, 2661..2891, 2661..2762, 2682..2891, 2691..2804		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o1.ts	Method	TBLASTX:Soybean
Start	1350	End	2789
GI	none	Score	91
Exons	1350..1676, 1351..1494, 1383..1769, 1475..1561, 1476..1625, 1476..1880, 1581..1970, 1650..1781, 1686..2096, 1702..2094, 1780..2196, 1791..2195, 1896..2300, 1978..2385, 1980..2411, 2106..2495, 2203..2439, 2211..2531, 2670..2789		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o3.tm	Method	TBLASTX:Maize
Start	2703	End	2942
GI	none	Score	162
Exons	2703..2891, 2706..2942, 2716..2925		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o1.gp	Method	AAT/GAP
Start	4187	End	6509
GI	none	Score	1468
Exons	4187..4586, 4680..4748, 4834..4939, 5700..5755, 5957..6016,		

6145..6223, 6471..6509

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o2.tm	Method	TBLASTX:Maize
Start	4377	End	6801
GI	none	Score	78
Exons	4377..4424, 4518..4583, 4521..4589, 4650..4751, 4675..4749, 4678..4755, 4679..4759, 4833..4919, 4834..4944, 4834..4941, 5702..5758, 5925..6014, 5954..6016, 5955..6017, 6130..6222, 6141..6221, 6143..6223, 6467..6565, 6471..6584, 6471..6566, 6479..6586, 6681..6800, 6683..6799, 6685..6801, 6688..6801		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o2.gs	Method	GENSCAN
Start	4524	End	6799
GI	none	Score	.67
Exons	4524..4586, 4722..4748, 4834..4939, 5700..5755, 5957..6016, 6097..6223, 6471..6565, 6686..6799		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o2.ts	Method	TBLASTX:Soybean
Start	4524	End	6586
GI	none	Score	58
Exons	4524..4589, 4524..4586, 4650..4751, 4678..4749, 4678..4755, 4834..4941, 4835..4942, 5954..6016, 5955..6035, 6133..6195, 6479..6586		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o2.tc	Method	TBLASTX:Cress
Start	4524	End	6802
GI	none	Score	69
Exons	4524..4586, 4650..4751, 4651..4749, 4834..4941, 4835..4942, 5954..6082, 5958..6017, 6193..6222, 6473..6565, 6479..6586, 6486..6566, 6683..6802, 6687..6794		

Seq. No.	26048	Seq. ID	OJ990604_03.9C03.C38
Gene No.	54013	Strand	-
Start	1	End	6802
Name	OJ990604_03.9C03.C38.o1.tw	Method	TBLASTX:Wheat
Start	6476	End	6800
GI	none	Score	83
Exons	6476..6529, 6477..6530, 6522..6566, 6526..6567, 6658..6708, 6680..6712, 6701..6799, 6701..6799, 6702..6800		

Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54014	Strand	+
Start	1218	End	1921
Name	OJ990604_03.9C03.C39.o1.gs	Method	GENSCAN
Start	1218	End	1921

GI	none	Score	.95
Exons	1218..1517, 1835..1921		

Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54015	Strand	+
Start	4147	End	6650
Name	OJ990604_03.9C03.C39.o1.np	Method	AAT/NAP
Start	4147	End	6650
GI	2495601	Score	79
Exons	4147..4202, 5912..6342, 6499..6650		
GI Descrip.	HYPOTHETICAL 49.6 KD PROTEIN IN MAOC-ACPD INTERGENIC REGION gi|1787679 (AE000238) putative enzymes [Escherichia coli]		

Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54016	Strand	+
Start	7308	End	7635
Name	OJ990604_03.9C03.C39.o2.gp	Method	AAT/GAP
Start	7308	End	7635
GI	uC-osf1cyp084e10a1	Score	642
Exons	7308..7635		
GI Descrip.	'2618723 5.0e-15 (U49073) IAA17 [Arabidopsis thaliana] >gi_2921756 (AF040631) IAA17/AXR3 protein [Arabidopsis thaliana] >gi_4389514_gb_AAB70451_ (AC000104) Identical to Arabidopsis gb_AF040632 and gb_U49073 IAA17/AXR3 gene. ESTs gb_H36782 and gb_F14074 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54017	Strand	-
Start	89	End	1549
Name	OJ990604_03.9C03.C39.o1.gp	Method	AAT/GAP
Start	89	End	1549
GI	none	Score	511
Exons	89..144, 1321..1549		

Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54018	Strand	-
Start	3269	End	8428
Name	OJ990604_03.9C03.C39.o2.gs	Method	GENSCAN
Start	3269	End	8428
GI	none	Score	.58
Exons	3269..3628, 3900..4210, 4633..4864, 5359..5417, 5962..6054, 6621..6706, 8225..8428		

Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54018	Strand	-
Start	3269	End	8428
Name	OJ990604_03.9C03.C39.o1.ts	Method	TBLASTX:Soybean
Start	5925	End	6293
GI	none	Score	125
Exons	5925..6065, 6063..6197, 6104..6193, 6201..6293		

Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54018	Strand	-
Start	3269	End	8428
Name	OJ990604_03.9C03.C39.o1.tm	Method	TBLASTX:Maize
Start	5943	End	6697
GI	none	Score	196

Exons	5943..6080, 5943..6053, 5947..6075, 5951..6076, 6062..6346, 6075..6344, 6088..6357, 6090..6353, 6478..6567, 6487..6564, 6489..6641, 6491..6685, 6492..6686, 6503..6697		
Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54018	Strand	-
Start	3269	End	8428
Name	OJ990604_03.9C03.C39.o2.tm	Method	TBLASTX:Maize
Start	7457	End	8370
GI	none	Score	47
Exons	7457..7501, 7550..7657, 7561..7659, 7567..7656, 7605..7682, 7660..7686, 7660..7686, 8224..8370, 8224..8370		
Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54018	Strand	-
Start	3269	End	8428
Name	OJ990604_03.9C03.C39.o2.np	Method	AAT/NAP
Start	7927	End	8375
GI	2865394	Score	158
Exons	7927..8014, 8225..8375		
GI Descrip.	(AF036949) basic leucine zipper protein [Zea mays]		
Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54018	Strand	-
Start	3269	End	8428
Name	OJ990604_03.9C03.C39.o1.tc	Method	TBLASTX:Cress
Start	8224	End	8392
GI	none	Score	105
Exons	8224..8370, 8276..8392		
Seq. No.	26049	Seq. ID	OJ990604_03.9C03.C39
Gene No.	54018	Strand	-
Start	3269	End	8428
Name	OJ990604_03.9C03.C39.o2.ts	Method	TBLASTX:Soybean
Start	8224	End	8386
GI	none	Score	94
Exons	8224..8370, 8242..8370, 8276..8386		
Seq. No.	26050	Seq. ID	OJ990604_03.9C03.C40
Gene No.	54019	Strand	-
Start	1	End	6340
Name	OJ990604_03.9C03.C40.o1.np	Method	AAT/NAP
Start	1	End	2470
GI	6664324	Score	435
Exons	1..28, 647..920, 1080..1122, 1211..1288, 1415..1474, 2393..2470		
GI Descrip.	(AC006932) T27G7.2 [Arabidopsis thaliana]		
Seq. No.	26050	Seq. ID	OJ990604_03.9C03.C40
Gene No.	54019	Strand	-
Start	1	End	6340
Name	OJ990604_03.9C03.C40.o1.tm	Method	TBLASTX:Maize
Start	645	End	1501
GI	none	Score	100
Exons	645..749, 649..795, 649..924, 650..922, 1058..1123, 1069..1125, 1210..1296, 1211..1291, 1415..1501, 1415..1489		
Seq. No.	26050	Seq. ID	OJ990604_03.9C03.C40

Gene No.	54019	Strand	-
Start	1	End	6340
Name	OJ990604_03.9C03.C40.o1.tc	Method	TBLASTX:Cress
Start	646	End	1471
GI	none	Score	87
Exons	646..921, 1205..1291, 1415..1471		

Seq. No.	26050	Seq. ID	OJ990604_03.9C03.C40
Gene No.	54019	Strand	-
Start	1	End	6340
Name	OJ990604_03.9C03.C40.o1.gs	Method	GENSCAN
Start	649	End	6340
GI	none	Score	.77
Exons	649..920, 1080..1122, 1211..1288, 1415..1489, 2829..2966, 3044..3156, 3722..3861, 6207..6340		

Seq. No.	26050	Seq. ID	OJ990604_03.9C03.C40
Gene No.	54019	Strand	-
Start	1	End	6340
Name	OJ990604_03.9C03.C40.o1.ts	Method	TBLASTX:Soybean
Start	650	End	921
GI	none	Score	107
Exons	650..739, 652..786, 652..921		

Seq. No.	26050	Seq. ID	OJ990604_03.9C03.C40
Gene No.	54019	Strand	-
Start	1	End	6340
Name	OJ990604_03.9C03.C40.o1.tw	Method	TBLASTX:Wheat
Start	670	End	1462
GI	none	Score	55
Exons	670..921, 671..739, 1211..1288, 1418..1462		

Seq. No.	26050	Seq. ID	OJ990604_03.9C03.C40
Gene No.	54019	Strand	-
Start	1	End	6340
Name	OJ990604_03.9C03.C40.o1.gp	Method	AAT/GAP
Start	893	End	3120
GI	35294_1.R1084	Score	832
Exons	893..920, 1080..1122, 1211..1288, 1415..1474, 1661..1720, 2829..2966, 3044..3120		
GI Descrip.	'2865394 1.0e-17 (AF036949) basic leucine zipper protein [Zea mays]'		

Seq. No.	26050	Seq. ID	OJ990604_03.9C03.C40
Gene No.	54019	Strand	-
Start	1	End	6340
Name	OJ990604_03.9C03.C40.o2.gp	Method	AAT/GAP
Start	4297	End	4815
GI	3106880	Score	752
Exons	4297..4433, 4554..4815		

Seq. No.	26051	Seq. ID	OJ990604_03.9C03.C41
Gene No.	54020	Strand	+
Start	10113	End	12062
Name	OJ990604_03.9C03.C41.o2.gs	Method	GENSCAN
Start	10113	End	12062
GI	none	Score	.51

Exons	10113..10244, 10837..10973, 11261..11286, 11986..12062		
Seq. No.	26051	Seq. ID	OJ990604_03.9C03.C41
Gene No.	54021	Strand	-
Start	1954	End	6554
Name	OJ990604_03.9C03.C41.o1.np	Method	AAT/NAP
Start	1954	End	3922
GI	4678207	Score	55
Exons	1954..1986, 3751..3922		
GI Descrip.	(AC007134) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	26051	Seq. ID	OJ990604_03.9C03.C41
Gene No.	54021	Strand	-
Start	1954	End	6554
Name	OJ990604_03.9C03.C41.o3.np	Method	AAT/NAP
Start	2284	End	5788
GI	5295951	Score	153
Exons	2284..2316, 5576..5788		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		
Seq. No.	26051	Seq. ID	OJ990604_03.9C03.C41
Gene No.	54021	Strand	-
Start	1954	End	6554
Name	OJ990604_03.9C03.C41.o2.np	Method	AAT/NAP
Start	3057	End	6554
GI	135535	Score	89
Exons	3057..3149, 4777..4917, 6473..6554		
GI Descrip.	T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) gi|322602|pir||JN0448 t-complex polypeptide Tcp-1 - Arabidopsis thaliana gi|217871|dbj|BAA01955| (D11351) t-complex polypeptide 1 homologue [Arabidopsis thaliana] gi|2326265|dbj|BAA21772| (D11352) CCT alpha/TCP-1 [Arabidopsis thaliana]		
Seq. No.	26051	Seq. ID	OJ990604_03.9C03.C41
Gene No.	54022	Strand	-
Start	13705	End	15458
Name	OJ990604_03.9C03.C41.o1.tm	Method	TBLASTX:Maize
Start	3722	End	3997
GI	none	Score	60
Exons	3722..3841, 3735..3827, 3833..3910, 3843..3890, 3848..3892, 3890..3997, 3902..3976, 3906..3995		
Seq. No.	26051	Seq. ID	OJ990604_03.9C03.C41
Gene No.	54022	Strand	-
Start	13705	End	15458
Name	OJ990604_03.9C03.C41.o1.tw	Method	TBLASTX:Wheat
Start	3777	End	3997
GI	none	Score	73
Exons	3777..3869, 3779..3889, 3908..3997, 3908..3997		
Seq. No.	26051	Seq. ID	OJ990604_03.9C03.C41
Gene No.	54022	Strand	-
Start	13705	End	15458
Name	OJ990604_03.9C03.C41.o3.gs	Method	GENSCAN
Start	13705	End	15458

GI	none	Score	.82
Exons	13705..13994, 15192..15271, 15382..15458		

Seq. No.	26052	Seq. ID	OJ990604_03.9C03.C43
Gene No.	54023	Strand	+
Start	1	End	699
Name	OJ990604_03.9C03.C43.o1.np	Method	AAT/NAP
Start	1	End	699
GI	2130141	Score	370
Exons	1..257, 366..699		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	26052	Seq. ID	OJ990604_03.9C03.C43
Gene No.	54023	Strand	+
Start	1	End	699
Name	OJ990604_03.9C03.C43.o2.tm	Method	TBLASTX:Maize
Start	3	End	226
GI	none	Score	184
Exons	3..224, 47..226		

Seq. No.	26052	Seq. ID	OJ990604_03.9C03.C43
Gene No.	54023	Strand	+
Start	1	End	699
Name	OJ990604_03.9C03.C43.o1.gs	Method	GENSCAN
Start	93	End	558
GI	none	Score	.8
Exons	93..254, 366..558		

Seq. No.	26052	Seq. ID	OJ990604_03.9C03.C43
Gene No.	54023	Strand	+
Start	1	End	699
Name	OJ990604_03.9C03.C43.o1.tm	Method	TBLASTX:Maize
Start	350	End	698
GI	none	Score	407
Exons	350..655, 366..698, 366..692		

Seq. No.	26053	Seq. ID	OJ990604_03.9C03.C44
Gene No.	54024	Strand	+
Start	1	End	685
Name	OJ990604_03.9C03.C44.o1.np	Method	AAT/NAP
Start	1	End	685
GI	6598842	Score	229
Exons	1..685		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	26053	Seq. ID	OJ990604_03.9C03.C44
Gene No.	54024	Strand	+
Start	1	End	685
Name	OJ990604_03.9C03.C44.o1.gs	Method	GENSCAN
Start	74	End	635
GI	none	Score	.42
Exons	74..216, 313..635		

Seq. No.	26053	Seq. ID	OJ990604_03.9C03.C44
Gene No.	54024	Strand	+
Start	1	End	685

Name	OJ990604_03.9C03.C44.o1.tm	Method	TBLASTX:Maize
Start	83	End	606
GI	none	Score	296
Exons	83..319, 100..309, 134..322, 550..606		

Seq. No.	26054	Seq. ID	OJ990914_04.9C01.C1
Gene No.	54025	Strand	-
Start	57	End	95
Name	OJ990914_04.9C01.C1.o1.gs	Method	GENSCAN
Start	57	End	95
GI	none	Score	.76
Exons	57..95		

Seq. No.	26054	Seq. ID	OJ990914_04.9C01.C1
Gene No.	54026	Strand	-
Start	196	End	679
Name	OJ990914_04.9C01.C1.o1.gp	Method	AAT/GAP
Start	196	End	679
GI	LIB3431-001-P1-N1-B5	Score	696
Exons	196..428, 534..679		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	26055	Seq. ID	OJ990914_04.9C01.C2
Gene No.	54027	Strand	-
Start	29	End	912
Name	OJ990914_04.9C01.C2.o1.gs	Method	GENSCAN
Start	29	End	912
GI	none	Score	.73
Exons	29..694, 783..912		

Seq. No.	26056	Seq. ID	OJ990914_04.9C01.C3
Gene No.	54028	Strand	-
Start	1573	End	1988
Name	OJ990914_04.9C01.C3.o1.gs	Method	GENSCAN
Start	1573	End	1988
GI	none	Score	.79
Exons	1573..1593, 1737..1853, 1924..1988		

Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o1.gp	Method	AAT/GAP
Start	294	End	1754
GI	5002953	Score	1284
Exons	294..475, 955..1364, 1623..1754		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o1.np	Method	AAT/NAP
Start	408	End	3464
GI	4680203	Score	1874
Exons	408..1349, 1626..1856, 2010..2102, 2145..3464		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o1.gs	Method	GENSCAN
Start	432	End	1697
GI	none	Score	.93
Exons	432..1697		

Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	519	End	1739
GI	none	Score	67
Exons	519..611, 612..716, 640..717, 741..782, 741..779, 786..833, 822..1013, 838..978, 1017..1178, 1021..1161, 1197..1739, 1249..1695		

Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o2.tc	Method	TBLASTX:Cress
Start	1026	End	1452
GI	none	Score	68
Exons	1026..1178, 1039..1161, 1197..1448, 1249..1452		

Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	1350	End	1835
GI	none	Score	88
Exons	1350..1835, 1356..1511, 1642..1818		

Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o3.tw	Method	TBLASTX:Wheat
Start	1743	End	2093
GI	none	Score	66
Exons	1743..1826, 1744..1827, 1863..2093, 1864..2064		

Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o2.ts	Method	TBLASTX:Soybean
Start	2232	End	2466
GI	none	Score	98
Exons	2232..2465, 2311..2466		

Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	2301	End	2744
GI	none	Score	77

Exons	2301..2495, 2499..2744, 2503..2694		
Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o2.tw	Method	TBLASTX:Wheat
Start	2335	End	2801
GI	none	Score	102
Exons	2335..2523, 2340..2495, 2464..2634, 2526..2642, 2541..2636, 2643..2747, 2650..2736, 2748..2801, 2758..2793		
Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	2589	End	2919
GI	none	Score	65
Exons	2589..2918, 2590..2664, 2631..2735, 2686..2745, 2782..2919		
Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	2667	End	3086
GI	none	Score	105
Exons	2667..2915, 2671..2916, 2965..3084, 2967..3086		
Seq. No.	26057	Seq. ID	OJ990914_04.9C01.C4
Gene No.	54029	Strand	-
Start	432	End	3464
Name	OJ990914_04.9C01.C4.o4.tw	Method	TBLASTX:Wheat
Start	2814	End	3126
GI	none	Score	64
Exons	2814..2918, 2824..2919, 2965..3126, 2967..3125		
Seq. No.	26058	Seq. ID	OJ990914_04.9C01.C5
Gene No.	54030	Strand	+
Start	1	End	708
Name	OJ990914_04.9C01.C5.o1.np	Method	AAT/NAP
Start	1	End	708
GI	5091513	Score	811
Exons	1..81, 198..708		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	26058	Seq. ID	OJ990914_04.9C01.C5
Gene No.	54030	Strand	+
Start	1	End	708
Name	OJ990914_04.9C01.C5.o1.gs	Method	GENSCAN
Start	258	End	674
GI	none	Score	.8
Exons	258..674		
Seq. No.	26059	Seq. ID	OJ990914_04.9C01.C7
Gene No.	54031	Strand	+
Start	160	End	631
Name	OJ990914_04.9C01.C7.o1.gs	Method	GENSCAN
Start	160	End	631

GI	none	Score	.49
Exons	160..439, 508..631		

Seq. No.	26060	Seq. ID	OJ990914_04.9C01.C9
Gene No.	54032	Strand	+
Start	90	End	566
Name	OJ990914_04.9C01.C9.o1.gs	Method	GENSCAN
Start	90	End	566
GI	none	Score	.73
Exons	90..566		

Seq. No.	26061	Seq. ID	OJ990914_04.9C01.C10
Gene No.	54033	Strand	+
Start	1	End	730
Name	OJ990914_04.9C01.C10.o1.np	Method	AAT/NAP
Start	1	End	730
GI	5852180	Score	56
Exons	1..73, 411..498, 713..730		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	26061	Seq. ID	OJ990914_04.9C01.C10
Gene No.	54034	Strand	-
Start	508	End	730
Name	OJ990914_04.9C01.C10.o2.np	Method	AAT/NAP
Start	508	End	730
GI	6063554	Score	135
Exons	508..730		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26062	Seq. ID	OJ990914_04.9C01.C11
Gene No.	54035	Strand	+
Start	2231	End	2908
Name	OJ990914_04.9C01.C11.o2.gs	Method	GENSCAN
Start	2231	End	2908
GI	none	Score	.82
Exons	2231..2284, 2393..2908		

Seq. No.	26062	Seq. ID	OJ990914_04.9C01.C11
Gene No.	54036	Strand	+
Start	4991	End	7445
Name	OJ990914_04.9C01.C11.o2.np	Method	AAT/NAP
Start	4991	End	7445
GI	4680179	Score	776
Exons	4991..5036, 5419..6468, 7404..7445		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26062	Seq. ID	OJ990914_04.9C01.C11
Gene No.	54037	Strand	-
Start	649	End	6217
Name	OJ990914_04.9C01.C11.o1.gs	Method	GENSCAN
Start	649	End	1401
GI	none	Score	.9
Exons	649..1401		

Seq. No.	26062	Seq. ID	OJ990914_04.9C01.C11

Gene No.	54037	Strand	-
Start	649	End	6217
Name	OJ990914_04.9C01.C11.o1.np	Method	AAT/NAP
Start	652	End	6217
GI	4680179	Score	1189
Exons	652..1440, 6106..6217		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26062	Seq. ID	OJ990914_04.9C01.C11
Gene No.	54037	Strand	-
Start	649	End	6217
Name	OJ990914_04.9C01.C11.o2.tw	Method	TBLASTX:Wheat
Start	697	End	1030
GI	none	Score	41
Exons	697..1029, 890..937, 922..1026, 956..1030		

Seq. No.	26062	Seq. ID	OJ990914_04.9C01.C11
Gene No.	54037	Strand	-
Start	649	End	6217
Name	OJ990914_04.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	892	End	1444
GI	none	Score	148
Exons	892..1317, 1016..1318, 1313..1441, 1315..1443, 1322..1444		

Seq. No.	26062	Seq. ID	OJ990914_04.9C01.C11
Gene No.	54037	Strand	-
Start	649	End	6217
Name	OJ990914_04.9C01.C11.o1.tw	Method	TBLASTX:Wheat
Start	1030	End	1444
GI	none	Score	51
Exons	1030..1443, 1031..1099, 1036..1281, 1142..1444		

Seq. No.	26062	Seq. ID	OJ990914_04.9C01.C11
Gene No.	54037	Strand	-
Start	649	End	6217
Name	OJ990914_04.9C01.C11.o3.tw	Method	TBLASTX:Wheat
Start	5581	End	5937
GI	none	Score	289
Exons	5581..5937, 5589..5759, 5788..5928, 5796..5936		

Seq. No.	26062	Seq. ID	OJ990914_04.9C01.C11
Gene No.	54037	Strand	-
Start	649	End	6217
Name	OJ990914_04.9C01.C11.o2.tm	Method	TBLASTX:Maize
Start	5818	End	6108
GI	none	Score	217
Exons	5818..6081, 5841..6005, 6046..6108		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54038	Strand	+
Start	1	End	248
Name	OJ990914_04.9C01.C12.o1.gp	Method	AAT/GAP
Start	1	End	248
GI	61605_1.R1084	Score	446
Exons	1..248		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54039	Strand	+
Start	6493	End	8396
Name	OJ990914_04.9C01.C12.o3.np	Method	AAT/NAP
Start	6493	End	8396
GI	6907087	Score	1012
Exons	6493..6802, 7013..7743, 8295..8396		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54040	Strand	+
Start	8862	End	9234
Name	OJ990914_04.9C01.C12.o2.gp	Method	AAT/GAP
Start	8862	End	9234
GI	uC-osflcyp033a04b1	Score	512
Exons	8862..9234		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54041	Strand	+
Start	10141	End	13308
Name	OJ990914_04.9C01.C12.o5.np	Method	AAT/NAP
Start	10141	End	13308
GI	6721517	Score	403
Exons	10141..10351, 10776..11339, 13071..13308		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54042	Strand	-
Start	1	End	8065
Name	OJ990914_04.9C01.C12.o1.np	Method	AAT/NAP
Start	1	End	3942
GI	4680179	Score	4338
Exons	1..28, 249..2863, 2891..3942		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54042	Strand	-
Start	1	End	8065
Name	OJ990914_04.9C01.C12.o1.gs	Method	GENSCAN
Start	163	End	8065
GI	none	Score	.44
Exons	163..1493, 1561..3892, 4277..4342, 4454..4544, 4644..4942, 6814..7286, 7304..7968, 7983..8065		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54042	Strand	-
Start	1	End	8065
Name	OJ990914_04.9C01.C12.o2.np	Method	AAT/NAP
Start	4181	End	4942
GI	4512229	Score	1199
Exons	4181..4942		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o5.tw	Method	TBLASTX:Wheat
Start	228	End	468
GI	none	Score	56
Exons	228..458, 249..404, 250..468, 251..463		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o2.tm	Method	TBLASTX:Maize
Start	337	End	628
GI	none	Score	287
Exons	337..627, 341..628, 356..628		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o1.ts	Method	TBLASTX:Soybean
Start	427	End	687
GI	none	Score	188
Exons	427..687, 428..685		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o1.tc	Method	TBLASTX:Cress
Start	451	End	777
GI	none	Score	86
Exons	451..594, 470..592, 595..777		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o1.tw	Method	TBLASTX:Wheat
Start	474	End	1011
GI	none	Score	101
Exons	474..629, 475..1011, 476..1009		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o1.tm	Method	TBLASTX:Maize
Start	1042	End	1395
GI	none	Score	49
Exons	1042..1395, 1049..1081, 1056..1382, 1057..1389, 1127..1390		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o2.tw	Method	TBLASTX:Wheat
Start	1042	End	1468
GI	none	Score	232
Exons	1042..1392, 1042..1467, 1049..1468		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o3.ts	Method	TBLASTX:Soybean
Start	1213	End	1461
GI	none	Score	214
Exons	1213..1461		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o5.tm	Method	TBLASTX:Maize
Start	1402	End	1732
GI	none	Score	66
Exons	1402..1509, 1470..1577, 1524..1679, 1532..1732		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o7.tw	Method	TBLASTX:Wheat
Start	1470	End	1729
GI	none	Score	83
Exons	1470..1577, 1471..1587, 1494..1727, 1518..1721, 1520..1729		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o2.ts	Method	TBLASTX:Soybean
Start	1485	End	1876
GI	none	Score	127
Exons	1485..1592, 1497..1721, 1520..1732, 1571..1735, 1695..1835, 1696..1836, 1787..1840, 1844..1876, 1844..1876		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o3.tm	Method	TBLASTX:Maize
Start	1787	End	2234
GI	none	Score	122
Exons	1787..2230, 1796..2158, 2052..2234		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o3.tw	Method	TBLASTX:Wheat
Start	1817	End	2303
GI	none	Score	211
Exons	1817..2299, 1859..2188, 2010..2303		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o4.ts	Method	TBLASTX:Soybean
Start	1949	End	2263
GI	none	Score	196
Exons	1949..2263		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o6.tw	Method	TBLASTX:Wheat
Start	2438	End	2785
GI	none	Score	55
Exons	2438..2785, 2475..2606		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o4.tw	Method	TBLASTX:Wheat
Start	3140	End	11308
GI	none	Score	38
Exons	3140..3484, 3289..3369, 3354..3485, 10952..11308, 10966..11133, 10997..11149		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o4.tm	Method	TBLASTX:Maize
Start	3185	End	11251
GI	none	Score	46
Exons	3185..3484, 3186..3266, 3354..3458, 10952..11251, 10975..11055		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o8.tw	Method	TBLASTX:Wheat
Start	3536	End	10926
GI	none	Score	130
Exons	3536..3718, 3537..3716, 10715..10912, 10726..10926		

Seq. No.	26063	Seq. ID	OJ990914_04.9C01.C12
Gene No.	54043	Strand	-
Start	8790	End	11308
Name	OJ990914_04.9C01.C12.o4.np	Method	AAT/NAP
Start	8790	End	8996
GI	4680186	Score	206
Exons	8790..8996		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26064	Seq. ID	OJ990914_04.9C01.C13
Gene No.	54044	Strand	+
Start	1	End	805
Name	OJ990914_04.9C01.C13.o1.np	Method	AAT/NAP
Start	1	End	805
GI	5852180	Score	63
Exons	1..33, 718..805		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	26064	Seq. ID	OJ990914_04.9C01.C13
Gene No.	54044	Strand	+
Start	1	End	805
Name	OJ990914_04.9C01.C13.o1.gs	Method	GENSCAN
Start	64	End	202
GI	none	Score	.56

Exons	64..134, 136..202		
Seq. No.	26065	Seq. ID	OJ990914_04.9C01.C14
Gene No.	54045	Strand	+
Start	1	End	808
Name	OJ990914_04.9C01.C14.o1.np	Method	AAT/NAP
Start	1	End	714
GI	5091513	Score	1126
Exons	1..714		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	26065	Seq. ID	OJ990914_04.9C01.C14
Gene No.	54045	Strand	+
Start	1	End	808
Name	OJ990914_04.9C01.C14.o1.gs	Method	GENSCAN
Start	75	End	808
GI	none	Score	.48
Exons	75..808		
Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54046	Strand	+
Start	12075	End	13601
Name	OJ990914_04.9C01.C17.o2.gp	Method	AAT/GAP
Start	11804	End	11871
GI	uC-osroM202024h08a1	Score	85
Exons	11804..11871		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54046	Strand	+
Start	12075	End	13601
Name	OJ990914_04.9C01.C17.o3.gs	Method	GENSCAN
Start	12075	End	13601
GI	none	Score	.68
Exons	12075..12375, 12443..12636, 13363..13476, 13554..13601		
Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54047	Strand	+
Start	20742	End	28385
Name	OJ990914_04.9C01.C17.o6.gs	Method	GENSCAN
Start	20742	End	27288
GI	none	Score	.67
Exons	20742..20820, 22936..23696, 23765..23909, 24787..25492, 25536..25642, 27143..27288		
Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54047	Strand	+
Start	20742	End	28385
Name	OJ990914_04.9C01.C17.o4.gp	Method	AAT/GAP
Start	24685	End	25196
GI	uC-osf1M202052c07b1	Score	943
Exons	24685..25196		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		
Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54047	Strand	+

Start	20742	End	28385
Name	OJ990914_04.9C01.C17.o3.np	Method	AAT/NAP
Start	24795	End	28385
GI	4234852	Score	2637
Exons	24795..24971, 25005..28385		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54048	Strand	-
Start	457	End	5686
Name	OJ990914_04.9C01.C17.o1.np	Method	AAT/NAP
Start	392	End	5686
GI	6069646	Score	1023
Exons	392..1368, 1651..2494, 5630..5686		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54048	Strand	-
Start	457	End	5686
Name	OJ990914_04.9C01.C17.o1.gs	Method	GENSCAN
Start	457	End	3914
GI	none	Score	.53
Exons	457..1112, 1701..2649, 2685..2894, 3040..3097, 3341..3517, 3550..3914		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54049	Strand	-
Start	11053	End	15166
Name	OJ990914_04.9C01.C17.o2.np	Method	AAT/NAP
Start	11053	End	15166
GI	6063554	Score	305
Exons	11053..11226, 12168..12425, 12543..12740, 15094..15166		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54050	Strand	-
Start	16813	End	19997
Name	OJ990914_04.9C01.C17.o5.gs	Method	GENSCAN
Start	16813	End	19997
GI	none	Score	.41
Exons	16813..17229, 17440..17943, 18055..18227, 18297..18993, 19502..19643, 19735..19997		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o3.tm	Method	TBLASTX:Maize
Start	493	End	975
GI	none	Score	90
Exons	493..624, 631..867, 755..859, 871..975		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o4.tw	Method	TBLASTX:Wheat
Start	676	End	858
GI	none	Score	188
Exons	676..858		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o8.tm	Method	TBLASTX:Maize
Start	1150	End	1434
GI	none	Score	102
Exons	1150..1434, 1160..1423		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o3.ts	Method	TBLASTX:Soybean
Start	1276	End	1713
GI	none	Score	143
Exons	1276..1389, 1465..1713		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o3.tw	Method	TBLASTX:Wheat
Start	1354	End	1794
GI	none	Score	71
Exons	1354..1482, 1492..1794, 1502..1792		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o1.tm	Method	TBLASTX:Maize
Start	1435	End	2112
GI	none	Score	78
Exons	1435..1806, 1444..1890, 1463..1891, 1903..2112, 1907..2110		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o4.tm	Method	TBLASTX:Maize
Start	2113	End	2589
GI	none	Score	68
Exons	2113..2214, 2173..2445, 2315..2443, 2473..2589		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o6.tm	Method	TBLASTX:Maize
Start	2776	End	3087
GI	none	Score	89
Exons	2776..3087, 2785..3087		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17

Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o2.tm	Method	TBLASTX:Maize
Start	24888	End	25828
GI	none	Score	454
Exons	24888..25466, 25010..25456, 25212..25490, 25567..25641, 25747..25809, 25748..25828		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o1.tw	Method	TBLASTX:Wheat
Start	26996	End	27778
GI	none	Score	287
Exons	26996..27046, 27016..27342, 27033..27344, 27118..27351, 27327..27680, 27328..27714, 27412..27720, 27704..27778		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o1.ts	Method	TBLASTX:Soybean
Start	27046	End	27426
GI	none	Score	270
Exons	27046..27381, 27051..27317, 27109..27381, 27394..27426		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o5.tm	Method	TBLASTX:Maize
Start	27136	End	27543
GI	none	Score	263
Exons	27136..27543, 27156..27305, 27414..27530		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o2.ts	Method	TBLASTX:Soybean
Start	27764	End	28331
GI	none	Score	118
Exons	27764..27946, 27959..28111, 28140..28331		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o7.tm	Method	TBLASTX:Maize
Start	27764	End	28346
GI	none	Score	111
Exons	27764..27946, 27929..28120, 28155..28346		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o2.tw	Method	TBLASTX:Wheat
Start	27934	End	28334
GI	none	Score	161
Exons	27934..28110, 27938..28111, 28119..28334, 28217..28333		

Seq. No.	26066	Seq. ID	OJ990914_04.9C01.C17
Gene No.	54051	Strand	-
Start	28345	End	28505
Name	OJ990914_04.9C01.C17.o7.gs	Method	GENSCAN
Start	28345	End	28505
GI	none	Score	.42
Exons	28345..28505		

Seq. No.	26067	Seq. ID	OJ990914_04.9C01.C18
Gene No.	54052	Strand	+
Start	120	End	211
Name	OJ990914_04.9C01.C18.o1.gs	Method	GENSCAN
Start	120	End	211
GI	none	Score	.96
Exons	120..211		

Seq. No.	26067	Seq. ID	OJ990914_04.9C01.C18
Gene No.	54053	Strand	+
Start	5023	End	5981
Name	OJ990914_04.9C01.C18.o3.gs	Method	GENSCAN
Start	5023	End	5981
GI	none	Score	.65
Exons	5023..5056, 5145..5241, 5576..5981		

Seq. No.	26067	Seq. ID	OJ990914_04.9C01.C18
Gene No.	54054	Strand	-
Start	713	End	3749
Name	OJ990914_04.9C01.C18.o2.gs	Method	GENSCAN
Start	713	End	3749
GI	none	Score	.64
Exons	713..1159, 1361..2233, 2274..2875, 3046..3587, 3646..3749		

Seq. No.	26067	Seq. ID	OJ990914_04.9C01.C18
Gene No.	54055	Strand	
Start	5625	End	5992
Name	OJ990914_04.9C01.C18.o1.tm	Method	TBLASTX:Maize
Start	5625	End	5992
GI	none	Score	75
Exons	5625..5678, 5693..5992, 5694..5990		

Seq. No.	26068	Seq. ID	OJ990914_04.9C01.C19
Gene No.	54056	Strand	+
Start	1	End	3133
Name	OJ990914_04.9C01.C19.o1.np	Method	AAT/NAP
Start	1	End	3133
GI	4585985	Score	1964
Exons	1..124, 207..1552, 1787..2225, 2253..3133		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26068	Seq. ID	OJ990914_04.9C01.C19
Gene No.	54056	Strand	+
Start	1	End	3133
Name	OJ990914_04.9C01.C19.o4.tm	Method	TBLASTX:Maize
Start	4	End	280
GI	none	Score	123
Exons	4..138, 6..143, 200..280		

Seq. No.	26068	Seq. ID	OJ990914_04.9C01.C19
Gene No.	54056	Strand	+
Start	1	End	3133
Name	OJ990914_04.9C01.C19.o1.gs	Method	GENSCAN
Start	61	End	3062
GI	none	Score	.47
Exons	61..124, 207..3062		

Seq. No.	26068	Seq. ID	OJ990914_04.9C01.C19
Gene No.	54056	Strand	+
Start	1	End	3133
Name	OJ990914_04.9C01.C19.o2.tm	Method	TBLASTX:Maize
Start	1334	End	1789
GI	none	Score	81
Exons	1334..1402, 1403..1540, 1574..1789		

Seq. No.	26068	Seq. ID	OJ990914_04.9C01.C19
Gene No.	54056	Strand	+
Start	1	End	3133
Name	OJ990914_04.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	1933	End	2302
GI	none	Score	316
Exons	1933..2217, 1958..2284, 1961..2302		

Seq. No.	26068	Seq. ID	OJ990914_04.9C01.C19
Gene No.	54056	Strand	+
Start	1	End	3133
Name	OJ990914_04.9C01.C19.o2.ts	Method	TBLASTX:Soybean
Start	2555	End	2776
GI	none	Score	180
Exons	2555..2776, 2605..2766		

Seq. No.	26068	Seq. ID	OJ990914_04.9C01.C19
Gene No.	54056	Strand	+
Start	1	End	3133
Name	OJ990914_04.9C01.C19.o1.tc	Method	TBLASTX:Cress
Start	2606	End	2863
GI	none	Score	197
Exons	2606..2863, 2614..2814		

Seq. No.	26068	Seq. ID	OJ990914_04.9C01.C19
Gene No.	54056	Strand	+
Start	1	End	3133
Name	OJ990914_04.9C01.C19.o3.tm	Method	TBLASTX:Maize
Start	2609	End	2929
GI	none	Score	173
Exons	2609..2836, 2611..2829, 2855..2929		

Seq. No.	26068	Seq. ID	OJ990914_04.9C01.C19
Gene No.	54056	Strand	+
Start	1	End	3133
Name	OJ990914_04.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	2855	End	3037
GI	none	Score	205
Exons	2855..3037, 2857..3033		

Seq. No.	26069	Seq. ID	OJ990914_04.9C01.C20

Gene No.	54057	Strand	+
Start	8184	End	12666
Name	OJ990914_04.9C01.C20.o2.gp	Method	AAT/GAP
Start	8184	End	12666
GI	3761181	Score	404
Exons	8184..8278, 12514..12666		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	26069	Seq. ID	OJ990914_04.9C01.C20
Gene No.	54057	Strand	+
Start	8184	End	12666
Name	OJ990914_04.9C01.C20.o2.np	Method	AAT/NAP
Start	9018	End	10951
GI	6907087	Score	1393
Exons	9018..9401, 9610..10298, 10850..10951		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26069	Seq. ID	OJ990914_04.9C01.C20
Gene No.	54057	Strand	+
Start	8184	End	12666
Name	OJ990914_04.9C01.C20.o2.gs	Method	GENSCAN
Start	9595	End	10302
GI	none	Score	.4
Exons	9595..9638, 9648..10302		

Seq. No.	26069	Seq. ID	OJ990914_04.9C01.C20
Gene No.	54058	Strand	-
Start	2683	End	2929
Name	OJ990914_04.9C01.C20.o1.gp	Method	AAT/GAP
Start	2683	End	2929
GI	3761181	Score	420
Exons	2683..2929		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	26069	Seq. ID	OJ990914_04.9C01.C20
Gene No.	54059	Strand	-
Start	4280	End	7495
Name	OJ990914_04.9C01.C20.o1.np	Method	AAT/NAP
Start	4280	End	7495
GI	5091513	Score	1349
Exons	4280..4501, 5229..5432, 5636..6358, 7103..7495		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	26069	Seq. ID	OJ990914_04.9C01.C20
Gene No.	54060	Strand	-
Start	10844	End	14683
Name	OJ990914_04.9C01.C20.o3.gs	Method	GENSCAN
Start	10844	End	14064
GI	none	Score	.47
Exons	10844..10950, 12767..12891, 13787..13847, 13932..14064		

Seq. No.	26069	Seq. ID	OJ990914_04.9C01.C20
Gene No.	54060	Strand	-

Start	10844	End	14683
Name	OJ990914_04.9C01.C20.o3.np	Method	AAT/NAP
Start	13773	End	14683
GI	6006381	Score	236
Exons	13773..13847, 13965..14098, 14466..14683		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	26070	Seq. ID	OJ990924_06.9C01.C1
Gene No.	54061	Strand	-
Start	415	End	493
Name	OJ990924_06.9C01.C1.o1.gs	Method	GENSCAN
Start	415	End	493
GI	none	Score	.55
Exons	415..493		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54062	Strand	+
Start	1	End	1526
Name	OJ990924_06.9C01.C3.o1.np	Method	AAT/NAP
Start	1	End	1526
GI	6721515	Score	87
Exons	1..254, 1506..1526		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54063	Strand	+
Start	1990	End	4640
Name	OJ990924_06.9C01.C3.o2.np	Method	AAT/NAP
Start	1990	End	4640
GI	6721516	Score	485
Exons	1990..2231, 2644..2841, 4593..4640		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54064	Strand	+
Start	12730	End	15034
Name	OJ990924_06.9C01.C3.o5.np	Method	AAT/NAP
Start	12652	End	15034
GI	6382514	Score	1318
Exons	12652..13101, 13798..13878, 13969..14241, 14422..14553, 14630..14803, 14891..15034		
GI Descrip.	(AC010704) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54064	Strand	+
Start	12730	End	15034
Name	OJ990924_06.9C01.C3.o3.gs	Method	GENSCAN
Start	12730	End	15025
GI	none	Score	.88
Exons	12730..13101, 13798..13878, 13969..14139, 14422..14553, 14630..14803, 14891..15025		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54065	Strand	-
Start	4433	End	6172
Name	OJ990924_06.9C01.C3.o3.np	Method	AAT/NAP
Start	4433	End	6172

GI	5042463	Score	137
Exons	4433..4469, 5001..5064, 5117..5267, 5954..6172		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54066	Strand	-
Start	6270	End	8698
Name	OJ990924_06.9C01.C3.o3.tm	Method	TBLASTX:Maize
Start	5	End	282
GI	none	Score	168
Exons	5..232, 103..204, 235..282		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54066	Strand	-
Start	6270	End	8698
Name	OJ990924_06.9C01.C3.o4.np	Method	AAT/NAP
Start	6270	End	8698
GI	4680339	Score	91
Exons	6270..6331, 6969..7250, 8671..8698		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54066	Strand	-
Start	6270	End	8698
Name	OJ990924_06.9C01.C3.o4.tm	Method	TBLASTX:Maize
Start	6991	End	7411
GI	none	Score	79
Exons	6991..7191, 7295..7411		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54067	Strand	
Start	12630	End	15034
Name	OJ990924_06.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	12630	End	14802
GI	none	Score	675
Exons	12630..13100, 12649..13101, 12649..13107, 13788..13877, 13795..13878, 13797..13877, 13948..14241, 13968..14234, 14419..14553, 14420..14554, 14422..14562, 14627..14767, 14629..14769, 14764..14802, 14771..14800		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54067	Strand	
Start	12630	End	15034
Name	OJ990924_06.9C01.C3.o2.ts	Method	TBLASTX:Soybean
Start	12652	End	12921
GI	none	Score	56
Exons	12652..12708, 12727..12921, 12738..12917		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54067	Strand	
Start	12630	End	15034
Name	OJ990924_06.9C01.C3.o2.tc	Method	TBLASTX:Cress
Start	12708	End	13872
GI	none	Score	322
Exons	12708..13082, 12724..13083, 13810..13872		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3

Gene No.	54067	Strand	
Start	12630	End	15034
Name	OJ990924_06.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	12922	End	15031
GI	none	Score	92
Exons	12922..12993, 12928..12993, 12999..13097, 13000..13101, 13795..13878, 13803..13877, 13966..14073, 14071..14241, 14115..14231, 14418..14558, 14422..14556, 14627..14806, 14632..14811, 14890..15030, 14891..15031		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54067	Strand	
Start	12630	End	15034
Name	OJ990924_06.9C01.C3.o1.tc	Method	TBLASTX:Cress
Start	14421	End	15034
GI	none	Score	132
Exons	14421..14552, 14422..14553, 14627..14806, 14627..14803, 14632..14808, 14889..15020, 14890..15033, 14891..15034		

Seq. No.	26071	Seq. ID	OJ990924_06.9C01.C3
Gene No.	54067	Strand	
Start	12630	End	15034
Name	OJ990924_06.9C01.C3.o2.tm	Method	TBLASTX:Maize
Start	14890	End	15034
GI	none	Score	231
Exons	14890..15033, 14891..15034		

Seq. No.	26072	Seq. ID	OJ990924_06.9C01.C4
Gene No.	54068	Strand	+
Start	282	End	823
Name	OJ990924_06.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	275	End	823
GI	none	Score	228
Exons	275..415, 276..413, 513..659, 520..660, 522..656, 724..822, 725..823, 726..821, 749..823		

Seq. No.	26072	Seq. ID	OJ990924_06.9C01.C4
Gene No.	54068	Strand	+
Start	282	End	823
Name	OJ990924_06.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	276	End	822
GI	none	Score	197
Exons	276..416, 276..404, 281..415, 513..659, 520..660, 522..656, 712..822, 726..818		

Seq. No.	26072	Seq. ID	OJ990924_06.9C01.C4
Gene No.	54068	Strand	+
Start	282	End	823
Name	OJ990924_06.9C01.C4.o1.gs	Method	GENSCAN
Start	282	End	657
GI	none	Score	.95
Exons	282..413, 523..657		

Seq. No.	26072	Seq. ID	OJ990924_06.9C01.C4
Gene No.	54068	Strand	+
Start	282	End	823
Name	OJ990924_06.9C01.C4.o1.np	Method	AAT/NAP

Start	282	End	823
GI	6382514	Score	491
Exons	282..413, 523..657, 727..823		
GI Descrip.	(AC010704) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	26072	Seq. ID	OJ990924_06.9C01.C4
Gene No.	54068	Strand	+
Start	282	End	823
Name	OJ990924_06.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	317	End	816
GI	none	Score	133
Exons	317..439, 318..416, 520..660, 522..656, 717..815, 718..816		

Seq. No.	26072	Seq. ID	OJ990924_06.9C01.C4
Gene No.	54068	Strand	+
Start	282	End	823
Name	OJ990924_06.9C01.C4.o1.gp	Method	AAT/GAP
Start	541	End	823
GI	2742_1.R1084	Score	385
Exons	541..657, 727..823		
GI Descrip.	'4587615/gb|AAD25843.1|AC006951_22 2.0e-62 (AC006951) putative acyl-CoA synthetase [Arabidopsis thaliana] >gi_4689469_gb_AAD27905.1_AC007213_3 (AC007213) putative acyl-CoA synthetase [Arabidopsis thaliana]'		

Seq. No.	26073	Seq. ID	OJ990924_06.9C01.C5
Gene No.	54069	Strand	+
Start	3617	End	4364
Name	OJ990924_06.9C01.C5.o1.gs	Method	GENSCAN
Start	3617	End	4364
GI	none	Score	.69
Exons	3617..3673, 4236..4364		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54070	Strand	+
Start	1	End	613
Name	OJ990924_06.9C01.C6.o1.np	Method	AAT/NAP
Start	1	End	423
GI	6911855	Score	252
Exons	1..423		
GI Descrip.	(AL138649) putative protein [Arabidopsis thaliana]		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54070	Strand	+
Start	1	End	613
Name	OJ990924_06.9C01.C6.o1.gp	Method	AAT/GAP
Start	232	End	613
GI	1632685	Score	684
Exons	232..613		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54071	Strand	-
Start	2933	End	3360
Name	OJ990924_06.9C01.C6.o1.tc	Method	TBLASTX:Cress
Start	160	End	327
GI	none	Score	227
Exons	160..327, 165..305		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54071	Strand	-
Start	2933	End	3360
Name	OJ990924_06.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	160	End	327
GI	none	Score	209
Exons	160..327, 168..314		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54071	Strand	-
Start	2933	End	3360
Name	OJ990924_06.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	160	End	327
GI	none	Score	233
Exons	160..327, 165..314		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54071	Strand	-
Start	2933	End	3360
Name	OJ990924_06.9C01.C6.o2.tm	Method	TBLASTX:Maize
Start	2600	End	3070
GI	none	Score	43
Exons	2600..2665, 2618..2662, 2655..2720, 2671..2694, 2714..2791, 2910..3068, 2922..3068, 2927..3070, 2969..3049		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54071	Strand	-
Start	2933	End	3360
Name	OJ990924_06.9C01.C6.o2.gp	Method	AAT/GAP
Start	2840	End	3360
GI	uC-osroM202017d11b1	Score	1022
Exons	2840..3360		
GI Descrip.	'3915254/sp|Q41773|VATL_MAIZE 4.0e-09 VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT (V-ATPASE 16 KD PROTEOLIPID SUBUNIT)'		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54071	Strand	-
Start	2933	End	3360
Name	OJ990924_06.9C01.C6.o1.tw	Method	TBLASTX:Wheat
Start	2919	End	3085
GI	none	Score	203
Exons	2919..3068, 2931..3068, 2933..3085		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54071	Strand	-
Start	2933	End	3360
Name	OJ990924_06.9C01.C6.o2.ts	Method	TBLASTX:Soybean
Start	2933	End	3068
GI	none	Score	105
Exons	2933..3061, 2933..3067, 2934..3068, 2954..3046		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54071	Strand	-
Start	2933	End	3360
Name	OJ990924_06.9C01.C6.o3.gs	Method	GENSCAN
Start	2933	End	3065

GI	none	Score	.94
Exons	2933..3065		

Seq. No.	26074	Seq. ID	OJ990924_06.9C01.C6
Gene No.	54071	Strand	-
Start	2933	End	3360
Name	OJ990924_06.9C01.C6.o2.np	Method	AAT/NAP
Start	2936	End	3067
GI	3334413	Score	169
Exons	2936..3067		
GI Descrip.	VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT gi|2502087 (AF022926) adenosine triphosphatase; c-subunit of V-ATPase [Vigna radiata]		

Seq. No.	26075	Seq. ID	OJ990924_06.9C01.C7
Gene No.	54072	Strand	-
Start	1	End	7296
Name	OJ990924_06.9C01.C7.o1.gp	Method	AAT/GAP
Start	1	End	190
GI	344_4.R1084	Score	358
Exons	1..190		
GI Descrip.	'2493147/sp|Q40635|VATL_ORYSA 7.0e-50 VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT >gi_857574 (U27098) H+-ATPase [Oryza sativa]'		

Seq. No.	26075	Seq. ID	OJ990924_06.9C01.C7
Gene No.	54072	Strand	-
Start	1	End	7296
Name	OJ990924_06.9C01.C7.o1.gs	Method	GENSCAN
Start	23	End	7234
GI	none	Score	.87
Exons	23..153, 1982..2046, 2296..2364, 2482..2574, 2662..2765, 2921..3001, 3091..3162, 3701..3848, 3945..4110, 4783..4860, 5844..5973, 6226..6401, 6523..6583, 6911..7020, 7150..7234		

Seq. No.	26075	Seq. ID	OJ990924_06.9C01.C7
Gene No.	54072	Strand	-
Start	1	End	7296
Name	OJ990924_06.9C01.C7.o2.gp	Method	AAT/GAP
Start	1198	End	1744
GI	none	Score	774
Exons	1198..1517, 1641..1744		

Seq. No.	26075	Seq. ID	OJ990924_06.9C01.C7
Gene No.	54072	Strand	-
Start	1	End	7296
Name	OJ990924_06.9C01.C7.o2.ts	Method	TBLASTX:Soybean
Start	1482	End	2366
GI	none	Score	114
Exons	1482..1523, 1636..1737, 1638..1736, 1641..1763, 1823..1888, 1824..1889, 1983..2045, 2295..2366		

Seq. No.	26075	Seq. ID	OJ990924_06.9C01.C7
Gene No.	54072	Strand	-
Start	1	End	7296
Name	OJ990924_06.9C01.C7.o1.tm	Method	TBLASTX:Maize
Start	1823	End	3988

GI	none	Score	63
Exons	1823..1885, 1983..2045, 2295..2366, 2296..2361, 2479..2571, 2481..2570, 2679..2768, 2680..2772, 2690..2797, 2691..2774, 2903..3019, 2921..3004, 3091..3126, 3092..3166, 3238..3294, 3557..3613, 3694..3849, 3695..3850, 3943..3987, 3944..3988		

Seq. No.	26075	Seq. ID	OJ990924_06.9C01.C7
Gene No.	54072	Strand	-
Start	1	End	7296
Name	OJ990924_06.9C01.C7.o1.np	Method	AAT/NAP
Start	1832	End	5130
GI	1708376	Score	276
Exons	1832..1882, 3706..3848, 3945..4205, 4783..4884, 4976..5130		
GI Descrip.	INDOLEACETAMIDE HYDROLASE (IAH) (INDOLE-3-ACETAMIDE HYDROLASE) gi|1073076|pir||B53376 indoleacetamide hydrolase - Pseudomonas syringae pv. syringae gi|472561 (U04358) IAH [Pseudomonas syringae]		

Seq. No.	26075	Seq. ID	OJ990924_06.9C01.C7
Gene No.	54072	Strand	-
Start	1	End	7296
Name	OJ990924_06.9C01.C7.o1.ts	Method	TBLASTX:Soybean
Start	3703	End	4880
GI	none	Score	142
Exons	3703..3849, 3710..3850, 3917..4132, 3931..4131, 4781..4837, 4782..4880		

Seq. No.	26075	Seq. ID	OJ990924_06.9C01.C7
Gene No.	54072	Strand	-
Start	1	End	7296
Name	OJ990924_06.9C01.C7.o1.tc	Method	TBLASTX:Cress
Start	3808	End	4819
GI	none	Score	160
Exons	3808..3849, 3943..4131, 3944..4132, 4781..4819		

Seq. No.	26075	Seq. ID	OJ990924_06.9C01.C7
Gene No.	54072	Strand	-
Start	1	End	7296
Name	OJ990924_06.9C01.C7.o2.tm	Method	TBLASTX:Maize
Start	3998	End	5962
GI	none	Score	178
Exons	3998..4132, 4024..4209, 4781..4861, 4782..4892, 4786..4866, 5842..5961, 5843..5962		

Seq. No.	26075	Seq. ID	OJ990924_06.9C01.C7
Gene No.	54072	Strand	-
Start	1	End	7296
Name	OJ990924_06.9C01.C7.o3.gp	Method	AAT/GAP
Start	5918	End	7296
GI	none	Score	1004
Exons	5918..5973, 6211..6401, 6523..6583, 6911..7020, 7150..7296		

Seq. No.	26076	Seq. ID	OJ990924_06.9C01.C8
Gene No.	54073	Strand	-
Start	406	End	2787
Name	OJ990924_06.9C01.C8.o1.gs	Method	GENSCAN
Start	406	End	2678

GI	none	Score	.66
Exons	406..750, 867..1922, 2066..2678		

Seq. No.	26076	Seq. ID	OJ990924_06.9C01.C8
Gene No.	54073	Strand	-
Start	406	End	2787
Name	OJ990924_06.9C01.C8.o2.tm	Method	TBLASTX:Maize
Start	514	End	2076
GI	none	Score	66
Exons	514..561, 646..765, 665..754, 672..758, 844..1068, 862..909, 866..1066, 867..1106, 1075..1428, 1080..1418, 1086..1379, 1239..1388, 1246..1389, 1255..1425, 1386..1427, 1419..1595, 1419..1553, 1421..1549, 1519..1602, 1596..1766, 1596..1736, 1663..1737, 1675..1740, 1758..1976, 1827..1958, 1852..1977, 1980..2039, 2020..2076		

Seq. No.	26076	Seq. ID	OJ990924_06.9C01.C8
Gene No.	54073	Strand	-
Start	406	End	2787
Name	OJ990924_06.9C01.C8.o1.np	Method	AAT/NAP
Start	641	End	2787
GI	6382503	Score	335
Exons	641..744, 1023..1290, 1429..1912, 1981..2101, 2276..2644, 2675..2787		
GI Descrip.	(AC010704) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26076	Seq. ID	OJ990924_06.9C01.C8
Gene No.	54073	Strand	-
Start	406	End	2787
Name	OJ990924_06.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	2081	End	2753
GI	none	Score	336
Exons	2081..2752, 2083..2484, 2115..2753		

Seq. No.	26077	Seq. ID	OJ990924_06.9C01.C9
Gene No.	54074	Strand	-
Start	1	End	362
Name	OJ990924_06.9C01.C9.o1.np	Method	AAT/NAP
Start	1	End	339
GI	6729037	Score	90
Exons	1..55, 90..339		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	26077	Seq. ID	OJ990924_06.9C01.C9
Gene No.	54074	Strand	-
Start	1	End	362
Name	OJ990924_06.9C01.C9.o1.gs	Method	GENSCAN
Start	132	End	362
GI	none	Score	.71
Exons	132..362		

Seq. No.	26078	Seq. ID	OJ990924_06.9C01.C10
Gene No.	54075	Strand	+
Start	603	End	1998
Name	OJ990924_06.9C01.C10.o1.gs	Method	GENSCAN
Start	603	End	1998
GI	none	Score	.76

Exons	603..743, 1563..1998		
Seq. No.	26078	Seq. ID	OJ990924_06.9C01.C10
Gene No.	54076	Strand	+
Start	3404	End	4435
Name	OJ990924_06.9C01.C10.o2.gs	Method	GENSCAN
Start	3404	End	4083
GI	none	Score	.64
Exons	3404..3654, 3737..3825, 3892..4083		
Seq. No.	26078	Seq. ID	OJ990924_06.9C01.C10
Gene No.	54076	Strand	+
Start	3404	End	4435
Name	OJ990924_06.9C01.C10.o2.np	Method	AAT/NAP
Start	3855	End	4435
GI	2213632	Score	651
Exons	3855..4435		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		
Seq. No.	26078	Seq. ID	OJ990924_06.9C01.C10
Gene No.	54077	Strand	-
Start	1	End	300
Name	OJ990924_06.9C01.C10.o1.np	Method	AAT/NAP
Start	1	End	300
GI	6729037	Score	68
Exons	1..70, 231..300		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		
Seq. No.	26078	Seq. ID	OJ990924_06.9C01.C10
Gene No.	54078	Strand	
Start	3530	End	4372
Name	OJ990924_06.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	3530	End	4301
GI	none	Score	112
Exons	3530..3658, 3535..3657, 3722..3925, 3735..4100, 4004..4072, 4104..4205, 4106..4216, 4206..4301, 4208..4255		
Seq. No.	26078	Seq. ID	OJ990924_06.9C01.C10
Gene No.	54078	Strand	
Start	3530	End	4372
Name	OJ990924_06.9C01.C10.o2.tw	Method	TBLASTX:Wheat
Start	3563	End	3959
GI	none	Score	80
Exons	3563..3658, 3735..3959, 3758..3934		
Seq. No.	26078	Seq. ID	OJ990924_06.9C01.C10
Gene No.	54078	Strand	
Start	3530	End	4372
Name	OJ990924_06.9C01.C10.o1.tw	Method	TBLASTX:Wheat
Start	3962	End	4372
GI	none	Score	401
Exons	3962..4321, 3963..4307, 4310..4372		
Seq. No.	26078	Seq. ID	OJ990924_06.9C01.C10
Gene No.	54079	Strand	
Start	4303	End	4435
Name	OJ990924_06.9C01.C10.o2.tm	Method	TBLASTX:Maize

Start	4303	End	4435
GI	none	Score	184
Exons	4303..4434, 4307..4435		

Seq. No.	26079	Seq. ID	OJ990924_06.9C01.C11
Gene No.	54080	Strand	+
Start	1	End	328
Name	OJ990924_06.9C01.C11.o1.np	Method	AAT/NAP
Start	1	End	328
GI	6069570	Score	180
Exons	1..328		
GI Descrip.	(AB022081) ORF-c [Brassica rapa]		

Seq. No.	26079	Seq. ID	OJ990924_06.9C01.C11
Gene No.	54080	Strand	+
Start	1	End	328
Name	OJ990924_06.9C01.C11.o1.gs	Method	GENSCAN
Start	124	End	327
GI	none	Score	.43
Exons	124..327		

Seq. No.	26080	Seq. ID	OJ990924_06.9C01.C13
Gene No.	54081	Strand	-
Start	810	End	913
Name	OJ990924_06.9C01.C13.o1.gs	Method	GENSCAN
Start	810	End	913
GI	none	Score	.66
Exons	810..913		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14
Gene No.	54082	Strand	+
Start	1603	End	6498
Name	OJ990924_06.9C01.C14.o1.gs	Method	GENSCAN
Start	1603	End	6498
GI	none	Score	.43
Exons	1603..1726, 2218..2688, 3867..4349, 4396..4680, 5428..5615, 6340..6498		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14
Gene No.	54082	Strand	+
Start	1603	End	6498
Name	OJ990924_06.9C01.C14.o1.np	Method	AAT/NAP
Start	3882	End	5375
GI	2281637	Score	259
Exons	3882..4165, 5338..5375		
GI Descrip.	(AF003099) AP2 domain containing protein RAP2.6 [Arabidopsis thaliana]		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14
Gene No.	54083	Strand	-
Start	5334	End	7069
Name	OJ990924_06.9C01.C14.o1.gp	Method	AAT/GAP
Start	5334	End	7069
GI	5455336	Score	548
Exons	5334..5606, 7036..7069		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14

Gene No.	54084	Strand	-
Start	7043	End	8143
Name	OJ990924_06.9C01.C14.o2.ts	Method	TBLASTX:Soybean
Start	3950	End	4147
GI	none	Score	266
Exons	3950..4147, 3958..4056		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14
Gene No.	54084	Strand	-
Start	7043	End	8143
Name	OJ990924_06.9C01.C14.o1.tw	Method	TBLASTX:Wheat
Start	3955	End	4147
GI	none	Score	185
Exons	3955..4056, 3956..4147		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14
Gene No.	54084	Strand	-
Start	7043	End	8143
Name	OJ990924_06.9C01.C14.o2.tm	Method	TBLASTX:Maize
Start	3964	End	4147
GI	none	Score	230
Exons	3964..4056, 3971..4147		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14
Gene No.	54084	Strand	-
Start	7043	End	8143
Name	OJ990924_06.9C01.C14.o1.tc	Method	TBLASTX:Cress
Start	3973	End	4147
GI	none	Score	237
Exons	3973..4056, 3974..4147		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14
Gene No.	54084	Strand	-
Start	7043	End	8143
Name	OJ990924_06.9C01.C14.o2.gs	Method	GENSCAN
Start	7043	End	8067
GI	none	Score	.83
Exons	7043..7206, 7293..7418, 7566..7641, 7909..8067		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14
Gene No.	54084	Strand	-
Start	7043	End	8143
Name	OJ990924_06.9C01.C14.o2.np	Method	AAT/NAP
Start	7058	End	8143
GI	6143890	Score	672
Exons	7058..7206, 7293..7418, 7566..7641, 7909..8143		
GI Descrip.	(AC010718) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14
Gene No.	54084	Strand	-
Start	7043	End	8143
Name	OJ990924_06.9C01.C14.o1.ts	Method	TBLASTX:Soybean
Start	7070	End	7395
GI	none	Score	143
Exons	7070..7207, 7074..7208, 7285..7395, 7288..7395		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14

Gene No.	54084	Strand	-
Start	7043	End	8143
Name	OJ990924_06.9C01.C14.o1.tm	Method	TBLASTX:Maize
Start	7115	End	8141
GI	none	Score	137
Exons	7115..7207, 7116..7208, 7117..7215, 7285..7434, 7288..7437, 7567..7644, 7567..7641, 7571..7642, 7889..8128, 7907..8110, 7909..8127, 8110..8136, 8111..8137, 8112..8141		

Seq. No.	26081	Seq. ID	OJ990924_06.9C01.C14
Gene No.	54084	Strand	-
Start	7043	End	8143
Name	OJ990924_06.9C01.C14.o3.ts	Method	TBLASTX:Soybean
Start	7567	End	8097
GI	none	Score	70
Exons	7567..7641, 7571..7642, 7600..7644, 7889..8044, 7909..8097, 7939..8097		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54085	Strand	+
Start	199	End	1619
Name	OJ990924_06.9C01.C15.o1.gs	Method	GENSCAN
Start	199	End	1619
GI	none	Score	.72
Exons	199..299, 1308..1434, 1491..1619		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54086	Strand	+
Start	6502	End	10445
Name	OJ990924_06.9C01.C15.o3.np	Method	AAT/NAP
Start	6502	End	10445
GI	6721516	Score	505
Exons	6502..6584, 8188..8428, 8839..9153, 10425..10445		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54087	Strand	+
Start	11034	End	14994
Name	OJ990924_06.9C01.C15.o3.gs	Method	GENSCAN
Start	11034	End	14994
GI	none	Score	.59
Exons	11034..11080, 12019..12121, 12269..12476, 13699..13919, 14044..14220, 14938..14994		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54088	Strand	-
Start	1	End	11771
Name	OJ990924_06.9C01.C15.o1.np	Method	AAT/NAP
Start	1	End	2397
GI	6143890	Score	274
Exons	1..117, 1039..1307, 2275..2397		
GI Descrip.	(AC010718) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54088	Strand	-
Start	1	End	11771
Name	OJ990924_06.9C01.C15.o2.gp	Method	AAT/GAP

Start	1657	End	4152
GI	594_1.R1084	Score	2683
Exons	1657..2094, 2187..2596, 2679..2983, 3065..3175, 3781..3880, 4097..4152		
GI Descrip.	'548770/sp|P35684|RL3_ORYSA 0.0e+00 60S RIBOSOMAL PROTEIN L3 >gi_481228_pir__S38359 ribosomal protein L3 - rice >gi_303853_dbj_BAA02155_ (D12630) ribosomal protein L3 [Oryza sativa]'		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54088	Strand	-
Start	1	End	11771
Name	OJ990924_06.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	1815	End	3878
GI	none	Score	335
Exons	1815..2096, 1840..2097, 1887..2102, 2186..2611, 2187..2396, 2285..2536, 2445..2603, 2673..2987, 2679..2984, 2681..3037, 3066..3176, 3067..3177, 3073..3177, 3075..3197, 3782..3877, 3786..3878		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54088	Strand	-
Start	1	End	11771
Name	OJ990924_06.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	1821	End	3868
GI	none	Score	400
Exons	1821..2096, 1837..2097, 1840..2097, 1887..2102, 2182..2496, 2186..2497, 2187..2396, 2281..2415, 2285..2500, 2482..2520, 2493..2597, 2495..2599, 2673..2987, 2676..2981, 2839..2982, 3064..3177, 3064..3174, 3066..3176, 3782..3868, 3783..3866		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54088	Strand	-
Start	1	End	11771
Name	OJ990924_06.9C01.C15.o2.gs	Method	GENSCAN
Start	1836	End	9409
GI	none	Score	84
Exons	1836..2094, 2187..2596, 2679..2983, 3065..3175, 3746..3880, 5218..5381, 6566..6601, 7326..7441, 8452..8518, 8760..8866, 8917..9023, 9358..9409		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54088	Strand	-
Start	1	End	11771
Name	OJ990924_06.9C01.C15.o2.np	Method	AAT/NAP
Start	1839	End	3865
GI	548770	Score	1936
Exons	1839..2094, 2187..2596, 2679..2983, 3065..3175, 3781..3865		
GI Descrip.	60S RIBOSOMAL PROTEIN L3 gi|481228|pir||S38359 ribosomal protein L3 - rice gi|303853|dbj|BAA02155| (D12630) ribosomal protein L3 [Oryza sativa]		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54088	Strand	-
Start	1	End	11771
Name	OJ990924_06.9C01.C15.o1.tc	Method	TBLASTX:Cress
Start	1845	End	3878

GI	none	Score	286
Exons	1845..2096, 1852..2097, 1858..2097, 2182..2523, 2186..2611, 2187..2396, 2285..2536, 2445..2603, 2673..2987, 2674..2994, 2679..2984, 3064..3177, 3064..3174, 3066..3188, 3066..3176, 3782..3877, 3807..3878		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54088	Strand	-
Start	1	End	11771
Name	OJ990924_06.9C01.C15.o1.tw	Method	TBLASTX:Wheat
Start	1893	End	2434
GI	none	Score	108
Exons	1893..2000, 1893..2021, 1894..2019, 1983..2051, 1995..2075, 2002..2076, 2052..2102, 2052..2096, 2053..2097, 2054..2104, 2155..2220, 2186..2431, 2187..2396, 2281..2424, 2285..2434		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54088	Strand	-
Start	1	End	11771
Name	OJ990924_06.9C01.C15.o2.tw	Method	TBLASTX:Wheat
Start	2796	End	3887
GI	none	Score	173
Exons	2796..2987, 2839..2982, 3064..3177, 3066..3176, 3782..3871, 3782..3886, 3786..3887		

Seq. No.	26082	Seq. ID	OJ990924_06.9C01.C15
Gene No.	54088	Strand	-
Start	1	End	11771
Name	OJ990924_06.9C01.C15.o4.np	Method	AAT/NAP
Start	8556	End	11771
GI	5852093	Score	70
Exons	8556..8580, 10289..10391, 11721..11771		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	26083	Seq. ID	OJ990924_06.9C01.C17
Gene No.	54089	Strand	+
Start	286	End	506
Name	OJ990924_06.9C01.C17.o1.gs	Method	GENSCAN
Start	286	End	506
GI	none	Score	.61
Exons	286..351, 387..506		

Seq. No.	26083	Seq. ID	OJ990924_06.9C01.C17
Gene No.	54090	Strand	+
Start	6149	End	9078
Name	OJ990924_06.9C01.C17.o2.np	Method	AAT/NAP
Start	6068	End	9075
GI	1487968	Score	140
Exons	6068..6223, 7576..7679, 8861..8944, 9037..9075		
GI Descrip.	(X95249) Tid56 protein [Drosophila melanogaster] gi|1487970|emb|CAA64540| (X95251) Tid56 protein [Drosophila melanogaster] gi|2130991|emb|CAA64536| (X95247) Tid56 protein [Drosophila melanogaster]		

Seq. No.	26083	Seq. ID	OJ990924_06.9C01.C17
Gene No.	54090	Strand	+
Start	6149	End	9078

Name	OJ990924_06.9C01.C17.o3.gs	Method	GENSCAN
Start	6149	End	9075
GI	none	Score	.87
Exons	6149..6202, 6298..6373, 7588..7679, 8861..8944, 9037..9075		

Seq. No.	26083	Seq. ID	OJ990924_06.9C01.C17
Gene No.	54090	Strand	+
Start	6149	End	9078
Name	OJ990924_06.9C01.C17.o2.gp	Method	AAT/GAP
Start	6331	End	9078
GI	uC-osflM202065e09a1	Score	519
Exons	6331..6373, 6485..6535, 7588..7679, 8861..8944, 9037..9078		
GI Descrip.	'542596/pir||S42091 3.0e-25 Tid(56) protein - fruit fly (Drosophila melanogaster) >gi_456627_emb_CAA54837_ (X77822) Tid(56) [Drosophila melanogaster] >gi_1487972_emb_CAA64528_ (X95241) lethal(2)tumorous imaginal discs [Drosophila melanogaster] >gi_4007007_emb_CAA66720_ (X98094) lethal(2)tumorous imaginal discs [Drosophila melanogaster]'		

Seq. No.	26083	Seq. ID	OJ990924_06.9C01.C17
Gene No.	54091	Strand	-
Start	611	End	4417
Name	OJ990924_06.9C01.C17.o1.gp	Method	AAT/GAP
Start	611	End	3496
GI	3763511	Score	1055
Exons	611..1154, 3441..3496		

Seq. No.	26083	Seq. ID	OJ990924_06.9C01.C17
Gene No.	54091	Strand	-
Start	611	End	4417
Name	OJ990924_06.9C01.C17.o1.tm	Method	TBLASTX:Maize
Start	899	End	4402
GI	none	Score	56
Exons	899..1009, 953..982, 1039..1095, 1041..1157, 1041..1100, 3434..3571, 3438..3578, 3441..3578, 3717..3869, 3729..3860, 3766..3873, 4210..4290, 4232..4297, 4282..4401, 4283..4402		

Seq. No.	26083	Seq. ID	OJ990924_06.9C01.C17
Gene No.	54091	Strand	-
Start	611	End	4417
Name	OJ990924_06.9C01.C17.o1.np	Method	AAT/NAP
Start	1053	End	4413
GI	6692745	Score	664
Exons	1053..1154, 3441..3559, 3716..3861, 4199..4413		
GI Descrip.	(AC012679) unknown protein [Arabidopsis thaliana]		

Seq. No.	26083	Seq. ID	OJ990924_06.9C01.C17
Gene No.	54091	Strand	-
Start	611	End	4417
Name	OJ990924_06.9C01.C17.o1.ts	Method	TBLASTX:Soybean
Start	3438	End	4417
GI	none	Score	79
Exons	3438..3578, 3441..3560, 3717..3902, 3747..3860, 3772..3873, 4210..4401, 4232..4417		

Seq. No.	26083	Seq. ID	OJ990924_06.9C01.C17
Gene No.	54091	Strand	-

Start	611	End	4417
Name	OJ990924_06.9C01.C17.o1.tc	Method	TBLASTX:Cress
Start	3471	End	4401
GI	none	Score	97
Exons	3471..3578, 3717..3869, 3723..3860, 3766..3873, 4210..4401, 4238..4399		

Seq. No.	26084	Seq. ID	OJ990924_06.9C01.C18
Gene No.	54092	Strand	
Start	254	End	807
Name	OJ990924_06.9C01.C18.o1.tm	Method	TBLASTX:Maize
Start	254	End	807
GI	none	Score	40
Exons	254..295, 255..284, 372..461, 383..460, 570..632, 571..639, 571..639, 573..644, 651..698, 714..806, 714..803, 733..807		

Seq. No.	26085	Seq. ID	OJ990924_06.9C01.C19
Gene No.	54093	Strand	-
Start	147	End	272
Name	OJ990924_06.9C01.C19.o1.gs	Method	GENSCAN
Start	147	End	272
GI	none	Score	.55
Exons	147..272		

Seq. No.	26086	Seq. ID	OJ990924_06.9C01.C20
Gene No.	54094	Strand	+
Start	1300	End	3943
Name	OJ990924_06.9C01.C20.o1.gs	Method	GENSCAN
Start	1300	End	3943
GI	none	Score	.53
Exons	1300..1432, 2050..2139, 2209..2262, 2285..2449, 2596..2658, 3782..3943		

Seq. No.	26087	Seq. ID	OJ990924_06.9C01.C22
Gene No.	54095	Strand	-
Start	1	End	209
Name	OJ990924_06.9C01.C22.o1.gp	Method	AAT/GAP
Start	1	End	209
GI	2742_1.R1084	Score	391
Exons	1..209		
GI Descrip.	'4587615/gb|AAD25843.1|AC006951_22 2.0e-62 (AC006951) putative acyl-CoA synthetase [Arabidopsis thaliana] >gi_4689469_gb_AAD27905.1_AC007213_3 (AC007213) putative acyl-CoA synthetase [Arabidopsis thaliana]'		

Seq. No.	26088	Seq. ID	OJ990924_06.9C01.C24
Gene No.	54096	Strand	+
Start	1	End	524
Name	OJ990924_06.9C01.C24.o1.np	Method	AAT/NAP
Start	1	End	524
GI	6382503	Score	99
Exons	1..20, 313..393, 435..524		
GI Descrip.	(AC010704) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26089	Seq. ID	OJ990924_06.9C01.C26
Gene No.	54097	Strand	+
Start	282	End	1402

Name	OJ990924_06.9C01.C26.o1.tm	Method	TBLASTX:Maize
Start	272	End	1110
GI	none	Score	68
Exons	272..376, 275..343, 282..398, 464..598, 467..598, 468..620, 469..606, 689..772, 1006..1092, 1021..1110		

Seq. No.	26089	Seq. ID	OJ990924_06.9C01.C26
Gene No.	54097	Strand	+
Start	282	End	1402
Name	OJ990924_06.9C01.C26.o1.gs	Method	GENSCAN
Start	282	End	1402
GI	none	Score	.8
Exons	282..387, 470..625, 690..772, 1021..1110, 1226..1402		

Seq. No.	26089	Seq. ID	OJ990924_06.9C01.C26
Gene No.	54097	Strand	+
Start	282	End	1402
Name	OJ990924_06.9C01.C26.o1.gp	Method	AAT/GAP
Start	796	End	1300
GI	none	Score	699
Exons	796..1110, 1226..1300		

Seq. No.	26090	Seq. ID	OJ990924_06.9C01.C27
Gene No.	54098	Strand	+
Start	742	End	1024
Name	OJ990924_06.9C01.C27.o1.gp	Method	AAT/GAP
Start	742	End	1024
GI	none	Score	469
Exons	742..1024		

Seq. No.	26090	Seq. ID	OJ990924_06.9C01.C27
Gene No.	54099	Strand	-
Start	31	End	1089
Name	OJ990924_06.9C01.C27.o1.gs	Method	GENSCAN
Start	31	End	1089
GI	none	Score	.69
Exons	31..116, 443..578, 777..912, 1016..1089		

Seq. No.	26091	Seq. ID	OJ990804_07.9C07.C1
Gene No.	54100	Strand	+
Start	1432	End	2145
Name	OJ990804_07.9C07.C1.o1.gs	Method	GENSCAN
Start	1432	End	2145
GI	none	Score	.57
Exons	1432..1436, 1689..1803, 1951..2145		

Seq. No.	26091	Seq. ID	OJ990804_07.9C07.C1
Gene No.	54101	Strand	-
Start	2395	End	2500
Name	OJ990804_07.9C07.C1.o1.np	Method	AAT/NAP
Start	2395	End	2500
GI	5852093	Score	40
Exons	2395..2500		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	26091	Seq. ID	OJ990804_07.9C07.C1
Gene No.	54102	Strand	-

Start	3581	End	3988
Name	OJ990804_07.9C07.C1.o2.gs	Method	GENSCAN
Start	3581	End	3988
GI	none	Score	.72
Exons	3581..3784, 3878..3988		

Seq. No.	26092	Seq. ID	OJ990804_07.9C07.C2
Gene No.	54103	Strand	+
Start	26	End	371
Name	OJ990804_07.9C07.C2.o1.gs	Method	GENSCAN
Start	26	End	371
GI	none	Score	.41
Exons	26..198, 335..371		

Seq. No.	26093	Seq. ID	OJ990804_07.9C07.C3
Gene No.	54104	Strand	+
Start	316	End	466
Name	OJ990804_07.9C07.C3.o1.gs	Method	GENSCAN
Start	316	End	466
GI	none	Score	.88
Exons	316..466		

Seq. No.	26093	Seq. ID	OJ990804_07.9C07.C3
Gene No.	54105	Strand	-
Start	1	End	3097
Name	OJ990804_07.9C07.C3.o1.np	Method	AAT/NAP
Start	1	End	3070
GI	1769568	Score	908
Exons	1..42, 422..471, 554..604, 709..807, 1562..1645, 1731..1841, 2089..2238, 2671..2788, 2931..3070		
GI Descrip.	(U82202) fumarase; fumarate hydratase [Arabidopsis thaliana]		

Seq. No.	26093	Seq. ID	OJ990804_07.9C07.C3
Gene No.	54105	Strand	-
Start	1	End	3097
Name	OJ990804_07.9C07.C3.o1.gp	Method	AAT/GAP
Start	384	End	776
GI	LIB3475-006-P1-K1-E2	Score	279
Exons	384..471, 554..604, 709..776		
GI Descrip.	'1769568 2.0e-43 (U82202) fumarase; fumarate hydratase [Arabidopsis thaliana]'		

Seq. No.	26093	Seq. ID	OJ990804_07.9C07.C3
Gene No.	54105	Strand	-
Start	1	End	3097
Name	OJ990804_07.9C07.C3.o1.tc	Method	TBLASTX:Cress
Start	410	End	2989
GI	none	Score	79
Exons	410..472, 421..474, 546..605, 551..604, 706..810, 707..826, 1550..1645, 1566..1646, 1726..1851, 1728..1841, 1753..1851, 2059..2241, 2087..2239, 2099..2278, 2659..2796, 2660..2797, 2930..2989		

Seq. No.	26093	Seq. ID	OJ990804_07.9C07.C3
Gene No.	54105	Strand	-
Start	1	End	3097
Name	OJ990804_07.9C07.C3.o1.tm	Method	TBLASTX:Maize

Start	419	End	2993
GI	none	Score	86
Exons	419..472, 421..474, 422..472, 551..604, 558..605, 558..605, 704..793, 706..810, 707..802, 709..804, 1550..1645, 1563..1646, 1726..1851, 1728..1841, 1729..1851, 2059..2241, 2087..2239, 2089..2241, 2660..2791, 2668..2790, 2930..2992, 2931..2993, 2949..2993		

Seq. No.	26093	Seq. ID	OJ990804_07.9C07.C3
Gene No.	54105	Strand	-
Start	1	End	3097
Name	OJ990804_07.9C07.C3.o1.ts	Method	TBLASTX:Soybean
Start	421	End	2989
GI	none	Score	72
Exons	421..474, 422..472, 549..605, 551..604, 554..607, 700..804, 706..810, 707..808, 1562..1645, 1563..1646, 1726..1851, 1728..1841, 1729..1851, 2059..2241, 2087..2239, 2659..2796, 2660..2797, 2930..2989		

Seq. No.	26093	Seq. ID	OJ990804_07.9C07.C3
Gene No.	54105	Strand	-
Start	1	End	3097
Name	OJ990804_07.9C07.C3.o2.gs	Method	GENSCAN
Start	874	End	3097
GI	none	Score	.82
Exons	874..906, 1562..1645, 1731..1841, 2089..2238, 2671..2788, 2931..3097		

Seq. No.	26093	Seq. ID	OJ990804_07.9C07.C3
Gene No.	54105	Strand	-
Start	1	End	3097
Name	OJ990804_07.9C07.C3.o2.gp	Method	AAT/GAP
Start	1745	End	2242
GI	568709	Score	458
Exons	1745..1841, 2089..2242		
GI Descrip.	1769568 2.0e-43 (U82202) fumarase; fumarate hydratase [Arabidopsis thaliana]		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54106	Strand	+
Start	57	End	412
Name	OJ990804_07.9C07.C4.o1.gs	Method	GENSCAN
Start	57	End	412
GI	none	Score	.8
Exons	57..170, 384..412		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o1.gp	Method	AAT/GAP
Start	560	End	1249
GI	uC-osroM202028d07a1	Score	878
Exons	560..879, 1016..1102, 1196..1249		
GI Descrip.	'3395432 2.0e-17 (AC004683) unknown protein [Arabidopsis thaliana] >gi_5731261_gb_AAD48838.1_AF166352_1 (AF166352) alanine:glyoxylate aminotransferase 2 homolog [Arabidopsis thaliana]'		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o3.tc	Method	TBLASTX:Cress
Start	835	End	1437
GI	none	Score	44
Exons	835..888, 1017..1103, 1018..1053, 1197..1310, 1198..1308, 1396..1437		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o2.gs	Method	GENSCAN
Start	836	End	2988
GI	none	Score	.86
Exons	836..879, 1016..1102, 1196..1309, 1395..1620, 1700..2023, 2103..2273, 2370..2600, 2791..2988		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o1.np	Method	AAT/NAP
Start	839	End	3018
GI	6403506	Score	1566
Exons	839..879, 1016..1102, 1196..1309, 1395..1620, 1700..2023, 2103..2273, 2370..2600, 2791..3018		
GI Descrip.	(AC010871) putative aminotransferase [Arabidopsis thaliana]		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o1.tm	Method	TBLASTX:Maize
Start	1017	End	2911
GI	none	Score	78
Exons	1017..1103, 1017..1103, 1192..1329, 1197..1340, 1197..1310, 1396..1623, 1399..1548, 1439..1639, 1700..1786, 1701..1781, 1787..2029, 1788..2024, 2076..2273, 2107..2277, 2113..2274, 2359..2526, 2367..2600, 2572..2601, 2788..2910, 2791..2895, 2792..2911		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o1.ts	Method	TBLASTX:Soybean
Start	1017	End	2964
GI	none	Score	39
Exons	1017..1103, 1197..1307, 1197..1310, 1198..1320, 1396..1551, 1396..1623, 1439..1639, 1700..1798, 1700..2029, 1701..2024, 2076..2273, 2107..2274, 2116..2274, 2367..2600, 2368..2601, 2788..2964, 2789..2884		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o1.tw	Method	TBLASTX:Wheat
Start	1239	End	1778

GI	none	Score	68
Exons	1239..1310, 1255..1308, 1396..1623, 1399..1548, 1439..1639, 1700..1771, 1700..1777, 1704..1778		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o1.tc	Method	TBLASTX:Cress
Start	1439	End	2017
GI	none	Score	135
Exons	1439..1621, 1474..1623, 1700..1879, 1704..1880, 1877..2017, 1878..2006		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o2.tw	Method	TBLASTX:Wheat
Start	1964	End	2537
GI	none	Score	123
Exons	1964..2017, 2076..2273, 2101..2274, 2137..2274, 2367..2537, 2368..2424, 2485..2526		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o2.gp	Method	AAT/GAP
Start	1973	End	3136
GI	43702_1.R1084	Score	1485
Exons	1973..2023, 2103..2273, 2370..2600, 2791..3136		
GI Descrip.	'3395432 8.0e-76 (AC004683) unknown protein [Arabidopsis thaliana] >gi_5731261_gb_AAD48838.1_AF166352_1 (AF166352) alanine:glyoxylate aminotransferase 2 homolog [Arabidopsis thaliana]'		

Seq. No.	26094	Seq. ID	OJ990804_07.9C07.C4
Gene No.	54107	Strand	-
Start	560	End	3136
Name	OJ990804_07.9C07.C4.o2.tc	Method	TBLASTX:Cress
Start	2109	End	2908
GI	none	Score	138
Exons	2109..2267, 2110..2313, 2382..2444, 2383..2445, 2448..2528, 2529..2621, 2572..2601, 2788..2907, 2792..2908		

Seq. No.	26095	Seq. ID	OJ990804_07.9C07.C5
Gene No.	54108	Strand	-
Start	70	End	322
Name	OJ990804_07.9C07.C5.o1.gs	Method	GENSCAN
Start	70	End	322
GI	none	Score	.67
Exons	70..155, 187..322		

Seq. No.	26096	Seq. ID	OJ990804_07.9C07.C6
Gene No.	54109	Strand	-
Start	68	End	369
Name	OJ990804_07.9C07.C6.o1.np	Method	AAT/NAP
Start	68	End	369
GI	6572083	Score	96

Exons	68..240, 327..369		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		
Seq. No.	26096	Seq. ID	OJ990804_07.9C07.C6
Gene No.	54109	Strand	-
Start	68	End	369
Name	OJ990804_07.9C07.C6.o1.gs	Method	GENSCAN
Start	70	End	240
GI	none	Score	.97
Exons	70..240		
Seq. No.	26097	Seq. ID	OJ990804_07.9C07.C7
Gene No.	54110	Strand	+
Start	675	End	955
Name	OJ990804_07.9C07.C7.o1.gs	Method	GENSCAN
Start	675	End	955
GI	none	Score	.75
Exons	675..955		
Seq. No.	26098	Seq. ID	OJ990804_07.9C07.C8
Gene No.	54111	Strand	-
Start	1	End	496
Name	OJ990804_07.9C07.C8.o1.np	Method	AAT/NAP
Start	1	End	492
GI	2326345	Score	316
Exons	1..147, 230..315, 429..492		
GI Descrip.	(Y11187) PRL1 protein [Arabidopsis thaliana]		
Seq. No.	26098	Seq. ID	OJ990804_07.9C07.C8
Gene No.	54111	Strand	-
Start	1	End	496
Name	OJ990804_07.9C07.C8.o1.tc	Method	TBLASTX:Cress
Start	37	End	493
GI	none	Score	126
Exons	37..150, 41..175, 211..282, 222..317, 227..316, 427..492, 428..493		
Seq. No.	26098	Seq. ID	OJ990804_07.9C07.C8
Gene No.	54111	Strand	-
Start	1	End	496
Name	OJ990804_07.9C07.C8.o1.tm	Method	TBLASTX:Maize
Start	37	End	496
GI	none	Score	131
Exons	37..150, 41..169, 199..312, 225..317, 227..322, 227..322, 418..495, 427..492, 428..496, 429..494		
Seq. No.	26098	Seq. ID	OJ990804_07.9C07.C8
Gene No.	54111	Strand	-
Start	1	End	496
Name	OJ990804_07.9C07.C8.o1.gs	Method	GENSCAN
Start	46	End	492
GI	none	Score	.85
Exons	46..147, 230..315, 429..492		
Seq. No.	26098	Seq. ID	OJ990804_07.9C07.C8
Gene No.	54111	Strand	-
Start	1	End	496

Name	OJ990804_07.9C07.C8.o1.ts	Method	TBLASTX:Soybean
Start	67	End	493
GI	none	Score	71
Exons	67..150, 79..150, 93..152, 225..317, 227..322, 227..316, 228..317, 427..492, 428..493, 434..493		

Seq. No.	26098	Seq. ID	OJ990804_07.9C07.C8
Gene No.	54111	Strand	-
Start	1	End	496
Name	OJ990804_07.9C07.C8.o1.gp	Method	AAT/GAP
Start	263	End	494
GI	LIB3434-038-P1-K1-H11	Score	165
Exons	263..315, 429..494		
GI Descrip.	'3122638/sp|Q42384|PRL1_ARATH 1.0e-32 PP1/PP2A PHOSPHATASES PLEIOTROPIC REGULATOR PRL1 >gi_1076381_pir__S49820 PRL1 protein - Arabidopsis thaliana >gi_577733_emb_CAA58031_ (X82824) PRL1 [Arabidopsis thaliana] >gi_577735_emb_CAA58032_ (X82825) PRL1 [Arabidopsis thaliana] >gi_2244947_emb_CAB10369.1_ (Z97339) PRL1 protein [Arabidopsis thaliana]'		

Seq. No.	26099	Seq. ID	OJ990804_07.9C07.C9
Gene No.	54112	Strand	-
Start	1	End	2876
Name	OJ990804_07.9C07.C9.o1.gp	Method	AAT/GAP
Start	1	End	364
GI	LIB3434-038-P1-K1-H11	Score	230
Exons	1..28, 142..244, 323..364		
GI Descrip.	'3122638/sp|Q42384|PRL1_ARATH 1.0e-32 PP1/PP2A PHOSPHATASES PLEIOTROPIC REGULATOR PRL1 >gi_1076381_pir__S49820 PRL1 protein - Arabidopsis thaliana >gi_577733_emb_CAA58031_ (X82824) PRL1 [Arabidopsis thaliana] >gi_577735_emb_CAA58032_ (X82825) PRL1 [Arabidopsis thaliana] >gi_2244947_emb_CAB10369.1_ (Z97339) PRL1 protein [Arabidopsis thaliana]'		

Seq. No.	26099	Seq. ID	OJ990804_07.9C07.C9
Gene No.	54112	Strand	-
Start	1	End	2876
Name	OJ990804_07.9C07.C9.o1.gs	Method	GENSCAN
Start	124	End	2876
GI	none	Score	.92
Exons	124..126, 152..244, 323..404, 1083..1139, 1229..1310, 1524..1623, 1727..1817, 1863..1999, 2220..2275, 2642..2876		

Seq. No.	26099	Seq. ID	OJ990804_07.9C07.C9
Gene No.	54112	Strand	-
Start	1	End	2876
Name	OJ990804_07.9C07.C9.o1.tm	Method	TBLASTX:Maize
Start	125	End	1982
GI	none	Score	113
Exons	125..256, 149..241, 156..245, 156..260, 160..267, 320..406, 322..447, 323..406, 1079..1129, 1079..1138, 1080..1139, 1228..1311, 1228..1311, 1229..1312, 1230..1313, 1537..1626, 1863..1982, 1865..1981		

Seq. No.	26099	Seq. ID	OJ990804_07.9C07.C9
Gene No.	54112	Strand	-
Start	1	End	2876

Name	OJ990804_07.9C07.C9.o1.np	Method	AAT/NAP
Start	128	End	1993
GI	3915814	Score	304
Exons	128..244, 323..404, 1229..1316, 1524..1691, 1843..1993		
GI Descrip.	PP1/PP2A PHOSPHATASES PLEIOTROPIC REGULATOR PRL2 gi|2916744|emb|CAA58033| (X82826) PRL2 [Arabidopsis thaliana]		

Seq. No.	26099	Seq. ID	OJ990804_07.9C07.C9
Gene No.	54112	Strand	-
Start	1	End	2876
Name	OJ990804_07.9C07.C9.o1.tc	Method	TBLASTX:Cress
Start	149	End	1973
GI	none	Score	107
Exons	149..256, 153..245, 318..401, 320..400, 1866..1973		

Seq. No.	26099	Seq. ID	OJ990804_07.9C07.C9
Gene No.	54112	Strand	-
Start	1	End	2876
Name	OJ990804_07.9C07.C9.o2.gp	Method	AAT/GAP
Start	1267	End	2331
GI	none	Score	896
Exons	1267..1310, 1524..1623, 1727..1751, 1863..1999, 2146..2331		

Seq. No.	26100	Seq. ID	OJ990804_07.9C07.C10
Gene No.	54113	Strand	+
Start	1877	End	5466
Name	OJ990804_07.9C07.C10.o1.np	Method	AAT/NAP
Start	1877	End	5466
GI	3914486	Score	946
Exons	1877..2157, 2730..2842, 2956..3104, 3201..3345, 4164..4580, 4997..5466		
GI Descrip.	PUTATIVE PSEUDOURIDYLATE SYNTHASE (PSEUDOURIDINE SYNTHASE) gi|2347206|gb|AAC16945.1| (AC002338) putative pseudouridine synthase [Arabidopsis thaliana]		

Seq. No.	26100	Seq. ID	OJ990804_07.9C07.C10
Gene No.	54114	Strand	-
Start	8060	End	8589
Name	OJ990804_07.9C07.C10.o2.tm	Method	TBLASTX:Maize
Start	4163	End	4464
GI	none	Score	171
Exons	4163..4279, 4164..4277, 4300..4395, 4323..4382, 4390..4455, 4398..4463, 4399..4464, 4401..4463		

Seq. No.	26100	Seq. ID	OJ990804_07.9C07.C10
Gene No.	54114	Strand	-
Start	8060	End	8589
Name	OJ990804_07.9C07.C10.o1.tm	Method	TBLASTX:Maize
Start	5113	End	5411
GI	none	Score	380
Exons	5113..5409, 5114..5407, 5118..5411, 5134..5409		

Seq. No.	26100	Seq. ID	OJ990804_07.9C07.C10
Gene No.	54114	Strand	-
Start	8060	End	8589
Name	OJ990804_07.9C07.C10.o2.gs	Method	GENSCAN
Start	8060	End	8589

GI	none	Score	.58
Exons	8060..8179, 8413..8589		
Seq. No.	26100	Seq. ID	OJ990804_07.9C07.C10
Gene No.	54114	Strand	-
Start	8060	End	8589
Name	OJ990804_07.9C07.C10.o1.tc	Method	TBLASTX:Cress
Start	8413	End	8584
GI	none	Score	146
Exons	8413..8583, 8414..8584		
Seq. No.	26100	Seq. ID	OJ990804_07.9C07.C10
Gene No.	54114	Strand	-
Start	8060	End	8589
Name	OJ990804_07.9C07.C10.o1.ts	Method	TBLASTX:Soybean
Start	8414	End	8584
GI	none	Score	140
Exons	8414..8584, 8419..8583		
Seq. No.	26101	Seq. ID	OJ990804_07.9C07.C11
Gene No.	54115	Strand	+
Start	133	End	1527
Name	OJ990804_07.9C07.C11.o1.gs	Method	GENSCAN
Start	133	End	1527
GI	none	Score	.58
Exons	133..211, 1472..1527		
Seq. No.	26101	Seq. ID	OJ990804_07.9C07.C11
Gene No.	54116	Strand	-
Start	7240	End	8321
Name	OJ990804_07.9C07.C11.o3.gs	Method	GENSCAN
Start	7240	End	8321
GI	none	Score	.48
Exons	7240..7459, 8023..8321		
Seq. No.	26102	Seq. ID	OJ990804_07.9C07.C12
Gene No.	54117	Strand	+
Start	258	End	1924
Name	OJ990804_07.9C07.C12.o1.gs	Method	GENSCAN
Start	258	End	1924
GI	none	Score	.4
Exons	258..313, 1696..1924		
Seq. No.	26102	Seq. ID	OJ990804_07.9C07.C12
Gene No.	54118	Strand	-
Start	801	End	899
Name	OJ990804_07.9C07.C12.o1.gp	Method	AAT/GAP
Start	801	End	899
GI	5867_1.R1084	Score	140
Exons	801..899		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	26103	Seq. ID	OJ990804_07.9C07.C13
Gene No.	54119	Strand	+
Start	1022	End	2025
Name	OJ990804_07.9C07.C13.o1.gp	Method	AAT/GAP
Start	1022	End	1367
GI	none	Score	554
Exons	1022..1367		

Seq. No.	26103	Seq. ID	OJ990804_07.9C07.C13
Gene No.	54119	Strand	+
Start	1022	End	2025
Name	OJ990804_07.9C07.C13.o1.gs	Method	GENSCAN
Start	1100	End	2025
GI	none	Score	.43
Exons	1100..1699, 1880..2025		

Seq. No.	26103	Seq. ID	OJ990804_07.9C07.C13
Gene No.	54120	Strand	-
Start	1	End	9522
Name	OJ990804_07.9C07.C13.o1.np	Method	AAT/NAP
Start	1	End	9522
GI	3914029	Score	100
Exons	1..36, 886..1005, 1271..1550, 6717..6851, 8145..8209, 9397..9522		
GI Descrip.	MAX BINDING PROTEIN MNT (ROX PROTEIN) (MYC ANTAGONIST MNT) gi|1732083 (U77356) Myc antagonist Mnt [Mus musculus]		

Seq. No.	26103	Seq. ID	OJ990804_07.9C07.C13
Gene No.	54120	Strand	-
Start	1	End	9522
Name	OJ990804_07.9C07.C13.o1.tm	Method	TBLASTX:Maize
Start	47	End	694
GI	none	Score	83
Exons	47..283, 86..280, 113..244, 139..240, 140..247, 140..328, 168..254, 306..338, 340..489, 341..379, 346..462, 346..471, 346..468, 352..501, 353..439, 353..463, 355..459, 367..453, 371..460, 481..642, 484..591, 490..591, 495..596, 500..640, 509..592, 515..592, 518..595, 522..599, 662..694		

Seq. No.	26103	Seq. ID	OJ990804_07.9C07.C13
Gene No.	54120	Strand	-
Start	1	End	9522
Name	OJ990804_07.9C07.C13.o3.gp	Method	AAT/GAP
Start	4219	End	6881
GI	2800107	Score	1040
Exons	4219..4301, 5913..6097, 6572..6881		

Seq. No.	26104	Seq. ID	OJ990804_07.9C07.C17
Gene No.	54121	Strand	+
Start	380	End	903
Name	OJ990804_07.9C07.C17.o1.gs	Method	GENSCAN
Start	380	End	903
GI	none	Score	.79
Exons	380..492, 753..903		

Seq. No.	26104	Seq. ID	OJ990804_07.9C07.C17
Gene No.	54122	Strand	-

Start	1982	End	2549
Name	OJ990804_07.9C07.C17.o2.gs	Method	GENSCAN
Start	1982	End	2549
GI	none	Score	.74
Exons	1982..2334, 2419..2549		

Seq. No.	26105	Seq. ID	OJ990804_07.9C07.C18
Gene No.	54123	Strand	-
Start	1	End	1839
Name	OJ990804_07.9C07.C18.o1.np	Method	AAT/NAP
Start	1	End	1748
GI	2429288	Score	514
Exons	1..207, 542..709, 898..1089, 1548..1748		
GI Descrip.	(AF014468) peroxidase [Oryza sativa]		

Seq. No.	26105	Seq. ID	OJ990804_07.9C07.C18
Gene No.	54123	Strand	-
Start	1	End	1839
Name	OJ990804_07.9C07.C18.o1.gs	Method	GENSCAN
Start	536	End	1763
GI	none	Score	.94
Exons	536..709, 898..1089, 1614..1763		

Seq. No.	26105	Seq. ID	OJ990804_07.9C07.C18
Gene No.	54123	Strand	-
Start	1	End	1839
Name	OJ990804_07.9C07.C18.o1.gp	Method	AAT/GAP
Start	942	End	1839
GI	64907_1.R1084	Score	820
Exons	942..1089, 1548..1839		
GI Descrip.	'2429288 1.0e-32 (AF014468) peroxidase [Oryza sativa]'		

Seq. No.	26105	Seq. ID	OJ990804_07.9C07.C18
Gene No.	54124	Strand	-
Start	2831	End	4427
Name	OJ990804_07.9C07.C18.o1.tc	Method	TBLASTX:Cress
Start	542	End	1674
GI	none	Score	84
Exons	542..706, 543..716, 928..1089, 932..1090, 1548..1673, 1552..1674		

Seq. No.	26105	Seq. ID	OJ990804_07.9C07.C18
Gene No.	54124	Strand	-
Start	2831	End	4427
Name	OJ990804_07.9C07.C18.o1.ts	Method	TBLASTX:Soybean
Start	886	End	1688
GI	none	Score	66
Exons	886..1068, 928..1089, 932..1093, 1549..1686, 1551..1688		

Seq. No.	26105	Seq. ID	OJ990804_07.9C07.C18
Gene No.	54124	Strand	-
Start	2831	End	4427
Name	OJ990804_07.9C07.C18.o1.tm	Method	TBLASTX:Maize
Start	904	End	1695
GI	none	Score	74
Exons	904..1011, 928..1008, 1047..1085, 1548..1688, 1551..1625, 1552..1695		

Seq. No.	26105	Seq. ID	OJ990804_07.9C07.C18
Gene No.	54124	Strand	-
Start	2831	End	4427
Name	OJ990804_07.9C07.C18.o2.np	Method	AAT/NAP
Start	2831	End	4427
GI	6016874	Score	108
Exons	2831..2886, 4248..4427		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	26106	Seq. ID	OJ990804_07.9C07.C20
Gene No.	54125	Strand	-
Start	1	End	617
Name	OJ990804_07.9C07.C20.o1.np	Method	AAT/NAP
Start	1	End	617
GI	6572083	Score	78
Exons	1..144, 377..617		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	26106	Seq. ID	OJ990804_07.9C07.C20
Gene No.	54125	Strand	-
Start	1	End	617
Name	OJ990804_07.9C07.C20.o1.gp	Method	AAT/GAP
Start	146	End	617
GI	426175	Score	751
Exons	146..535, 598..617		

Seq. No.	26107	Seq. ID	OJ990804_07.9C07.C21
Gene No.	54126	Strand	-
Start	31	End	586
Name	OJ990804_07.9C07.C21.o1.gs	Method	GENSCAN
Start	31	End	586
GI	none	Score	.81
Exons	31..75, 306..382, 476..586		

Seq. No.	26108	Seq. ID	OJ990804_07.9C07.C22
Gene No.	54127	Strand	+
Start	1	End	1219
Name	OJ990804_07.9C07.C22.o1.np	Method	AAT/NAP
Start	1	End	1219
GI	6572083	Score	101
Exons	1..35, 932..1219		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	26108	Seq. ID	OJ990804_07.9C07.C22
Gene No.	54127	Strand	+
Start	1	End	1219
Name	OJ990804_07.9C07.C22.o1.gs	Method	GENSCAN
Start	665	End	1116
GI	none	Score	.84
Exons	665..718, 932..1116		

Seq. No.	26109	Seq. ID	OJ990804_07.9C07.C23
Gene No.	54128	Strand	-
Start	478	End	6781
Name	OJ990804_07.9C07.C23.o1.np	Method	AAT/NAP

Start	463	End	6578
GI	4586255	Score	780
Exons	463..568, 1041..1096, 4185..4361, 4469..4572, 4867..4952, 5780..5952, 6034..6142, 6534..6578		
GI Descrip.	(AL049640) putative protein [Arabidopsis thaliana]		

Seq. No.	26109	Seq. ID	OJ990804_07.9C07.C23
Gene No.	54128	Strand	-
Start	478	End	6781
Name	OJ990804_07.9C07.C23.o1.gs	Method	GENSCAN
Start	478	End	6578
GI	none	Score	.84
Exons	478..568, 1041..1096, 1339..1364, 1916..2159, 2204..2336, 2585..2682, 2998..3066, 4062..4155, 4231..4361, 4469..4572, 4867..4962, 6034..6142, 6534..6578		

Seq. No.	26109	Seq. ID	OJ990804_07.9C07.C23
Gene No.	54128	Strand	-
Start	478	End	6781
Name	OJ990804_07.9C07.C23.o1.tm	Method	TBLASTX:Maize
Start	481	End	6579
GI	none	Score	112
Exons	481..564, 482..592, 485..571, 1041..1097, 1043..1096, 4059..4154, 4060..4155, 4221..4409, 4224..4352, 4228..4362, 4229..4381, 4469..4576, 4470..4583, 4471..4584, 4850..4951, 4858..4953, 5863..5952, 5863..5937, 5867..5956, 6009..6143, 6031..6150, 6033..6143, 6041..6145, 6534..6578, 6534..6578, 6535..6579		

Seq. No.	26109	Seq. ID	OJ990804_07.9C07.C23
Gene No.	54128	Strand	-
Start	478	End	6781
Name	OJ990804_07.9C07.C23.o2.gp	Method	AAT/GAP
Start	4455	End	6781
GI	29326_1.R1084	Score	1131
Exons	4455..4572, 4867..4952, 5870..5952, 6034..6142, 6534..6781		
GI Descrip.	'4586255/emb|CAB40996.1| 6.0e-55 (AL049640) putative protein [Arabidopsis thaliana]'		

Seq. No.	26109	Seq. ID	OJ990804_07.9C07.C23
Gene No.	54128	Strand	-
Start	478	End	6781
Name	OJ990804_07.9C07.C23.o1.tc	Method	TBLASTX:Cress
Start	4484	End	6578
GI	none	Score	121
Exons	4484..4576, 4488..4586, 4491..4577, 4850..4951, 5863..5952, 5863..5931, 5867..5956, 6009..6143, 6031..6144, 6033..6143, 6038..6145, 6534..6578		

Seq. No.	26109	Seq. ID	OJ990804_07.9C07.C23
Gene No.	54128	Strand	-
Start	478	End	6781
Name	OJ990804_07.9C07.C23.o1.ts	Method	TBLASTX:Soybean
Start	4898	End	6579
GI	none	Score	70
Exons	4898..4942, 5818..5952, 5863..5946, 5864..5959, 5867..5956, 6009..6143, 6031..6165, 6033..6143, 6038..6145, 6534..6578,		

6535..6579

Seq. No.	26109	Seq. ID	OJ990804_07.9C07.C23
Gene No.	54128	Strand	-
Start	478	End	6781
Name	OJ990804_07.9C07.C23.o1.tw	Method	TBLASTX:Wheat
Start	5915	End	6579
GI	none	Score	55
Exons	5915..5953, 5915..5953, 6030..6143, 6035..6145, 6038..6145, 6534..6578, 6534..6578, 6535..6579		

Seq. No.	26110	Seq. ID	OJ990804_07.9C07.C24
Gene No.	54129	Strand	-
Start	1774	End	4009
Name	OJ990804_07.9C07.C24.o1.gp	Method	AAT/GAP
Start	1774	End	4009
GI	718_6.R1084	Score	1463
Exons	1774..2019, 2103..2155, 2397..2710, 2793..2915, 3895..4009		
GI Descrip.	'3377797 5.0e-51 (AF075597) Similar to 60S ribosome protein L19; coded for by A. thaliana cDNA T04719; coded for by A. thaliana cDNA H36046; coded for by A. thaliana cDNA T44067; coded for by A. thaliana cDNA T14056; coded for by A. thaliana cDNA R90691 [Ara'		

Seq. No.	26110	Seq. ID	OJ990804_07.9C07.C24
Gene No.	54129	Strand	-
Start	1774	End	4009
Name	OJ990804_07.9C07.C24.o1.np	Method	AAT/NAP
Start	2102	End	4006
GI	3377797	Score	774
Exons	2102..2155, 2397..2710, 2793..2915, 3895..4006		
GI Descrip.	(AF075597) Similar to 60S ribosome protein L19; coded for by A. thaliana cDNA T04719; coded for by A. thaliana cDNA H36046; coded for by A. thaliana cDNA T44067; coded for by A. thaliana cDNA T14056; coded for by A. thaliana cDNA R90691 [Ara...		

Seq. No.	26110	Seq. ID	OJ990804_07.9C07.C24
Gene No.	54130	Strand	-
Start	5391	End	6449
Name	OJ990804_07.9C07.C24.o1.tm	Method	TBLASTX:Maize
Start	2390	End	4009
GI	none	Score	406
Exons	2390..2710, 2395..2709, 2470..2712, 2791..2913, 2792..2911, 3866..4009, 3888..4007		

Seq. No.	26110	Seq. ID	OJ990804_07.9C07.C24
Gene No.	54130	Strand	-
Start	5391	End	6449
Name	OJ990804_07.9C07.C24.o1.tw	Method	TBLASTX:Wheat
Start	2395	End	4009
GI	none	Score	399
Exons	2395..2721, 2396..2710, 2470..2712, 2791..2913, 2792..2911, 2792..2914, 3842..4006, 3866..4009, 3888..4007		

Seq. No.	26110	Seq. ID	OJ990804_07.9C07.C24
Gene No.	54130	Strand	-
Start	5391	End	6449

Name	OJ990804_07.9C07.C24.o1.ts	Method	TBLASTX:Soybean
Start	2405	End	4054
GI	none	Score	250
Exons	2405..2710, 2438..2530, 2469..2711, 2470..2712, 2669..2719, 2790..2909, 2791..2913, 2792..2911, 2792..2914, 3866..4006, 3866..4054, 3888..4007		

Seq. No.	26110	Seq. ID	OJ990804_07.9C07.C24
Gene No.	54130	Strand	-
Start	5391	End	6449
Name	OJ990804_07.9C07.C24.o1.tc	Method	TBLASTX:Cress
Start	2408	End	4009
GI	none	Score	202
Exons	2408..2608, 2469..2711, 2470..2712, 2791..2913, 2792..2911, 3860..3943, 3866..4009, 3888..4007		

Seq. No.	26110	Seq. ID	OJ990804_07.9C07.C24
Gene No.	54130	Strand	-
Start	5391	End	6449
Name	OJ990804_07.9C07.C24.o2.gp	Method	AAT/GAP
Start	5391	End	6389
GI	78700_1.R1084	Score	940
Exons	5391..5835, 6180..6245, 6341..6389		
GI Descrip.	'2443751 1.0e-22 (AF020303) fumarase [Arabidopsis thaliana] >gi_2529676 (AC002535) putative fumarase [Arabidopsis thaliana]'		

Seq. No.	26110	Seq. ID	OJ990804_07.9C07.C24
Gene No.	54130	Strand	-
Start	5391	End	6449
Name	OJ990804_07.9C07.C24.o2.np	Method	AAT/NAP
Start	5752	End	6449
GI	2443751	Score	180
Exons	5752..5835, 6180..6245, 6341..6449		
GI Descrip.	(AF020303) fumarase [Arabidopsis thaliana] gi|2529676|gb|AAC62859.1| (AC002535) putative fumarase [Arabidopsis thaliana]		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o1.gp	Method	AAT/GAP
Start	401	End	3982
GI	912_1.R1084	Score	2986
Exons	401..1258, 1662..1787, 2568..2756, 2952..3062, 3565..3689, 3808..3982		
GI Descrip.	'6014938/sp|O81220|DCUP_MAIZE 1.0e-170 UROPORPHYRINOGEN DECARBOXYLASE PRECURSOR (UPD) >gi_3420233 (AF058763) uroporphyrinogen decarboxylase [Zea mays]'		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o2.tm	Method	TBLASTX:Maize
Start	490	End	1796
GI	none	Score	50
Exons	490..558, 496..561, 576..674, 580..678, 679..723, 683..724, 737..1258, 737..1240, 1053..1259, 1656..1796, 1663..1794		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o1.gs	Method	GENSCAN
Start	670	End	8092
GI	none	Score	.53
Exons	670..705, 806..1258, 1662..1787, 2568..2756, 2952..3062, 3575..3689, 3808..4004, 4418..5508, 5905..6120, 6259..6394, 6504..6556, 6717..6977, 7734..7787, 7931..8064, 8085..8092		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o1.ts	Method	TBLASTX:Soybean
Start	706	End	1207
GI	none	Score	127
Exons	706..951, 711..914, 743..1207, 746..1204, 1056..1205		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o2.tc	Method	TBLASTX:Cress
Start	743	End	1739
GI	none	Score	49
Exons	743..871, 746..1231, 762..986, 914..1225, 1656..1739		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o1.np	Method	AAT/NAP
Start	746	End	3913
GI	6014938	Score	1617
Exons	746..1258, 1662..1787, 2568..2756, 2952..3062, 3565..3692, 3808..3913		
GI Descrip.	UROPORPHYRINOGEN DECARBOXYLASE PRECURSOR (UPD) gi|3420233 (AF058763) uroporphyrinogen decarboxylase [Zea mays]		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o5.ts	Method	TBLASTX:Soybean
Start	1209	End	3658
GI	none	Score	65
Exons	1209..1268, 1656..1790, 1669..1788, 1669..1800, 2565..2747, 2565..2756, 2566..2757, 2944..3048, 2949..3065, 2949..3065, 3562..3657, 3565..3624, 3566..3658		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o5.tm	Method	TBLASTX:Maize
Start	2664	End	3901
GI	none	Score	143
Exons	2664..2756, 2665..2757, 2944..3063, 2944..3063, 2949..3065, 2952..3065, 3562..3690, 3566..3691, 3809..3868, 3810..3830, 3884..3901		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o6.ts	Method	TBLASTX:Soybean
Start	4391	End	4582
GI	none	Score	207
Exons	4391..4582		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o2.tw	Method	TBLASTX:Wheat
Start	4392	End	4582
GI	none	Score	51
Exons	4392..4466, 4403..4582, 4545..4574		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o1.tc	Method	TBLASTX:Cress
Start	4394	End	8133
GI	none	Score	90
Exons	4394..4582, 4398..4487, 4901..5512, 4911..5510, 5903..6154, 5904..6146, 5912..6148, 6336..6416, 6501..6557, 6696..6872, 6710..6976, 6715..6978, 6715..6984, 7735..7794, 7745..7792, 7872..8129, 7877..8125, 7884..8129, 7885..8133		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o1.tm	Method	TBLASTX:Maize
Start	4394	End	6416
GI	none	Score	247
Exons	4394..4678, 4398..4679, 4751..4804, 4764..4805, 4841..5512, 4875..5510, 5903..6175, 5904..6161, 5905..6162, 5971..6177, 6287..6412, 6287..6391, 6291..6416, 6291..6413		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o2.np	Method	AAT/NAP
Start	4397	End	8199
GI	2384671	Score	2334
Exons	4397..5508, 5905..6159, 6290..6413, 6504..6556, 6717..6977, 7734..7787, 7883..8199		
GI Descrip.	(AF012657) putative potassium transporter AtKT2p [Arabidopsis thaliana]		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o2.ts	Method	TBLASTX:Soybean
Start	4895	End	5513
GI	none	Score	428
Exons	4895..5512, 4896..5513		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o3.ts	Method	TBLASTX:Soybean
Start	5903	End	6921
GI	none	Score	356
Exons	5903..6175, 5904..6161, 5917..6162, 6333..6416, 6333..6431, 6501..6557, 6508..6558, 6710..6790, 6715..6792, 6716..6793, 6718..6792, 6830..6907, 6832..6921		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o4.tm	Method	TBLASTX:Maize
Start	6490	End	6895
GI	none	Score	67
Exons	6490..6564, 6501..6557, 6710..6895, 6715..6894		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o3.tm	Method	TBLASTX:Maize
Start	6896	End	8133
GI	none	Score	113
Exons	6896..6976, 6898..6975, 7731..7787, 7731..7787, 7733..7792, 7735..7794, 7882..8127, 7884..8129, 7884..8129, 7885..8133		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o1.tw	Method	TBLASTX:Wheat
Start	7861	End	8142
GI	none	Score	111
Exons	7861..7992, 7884..8141, 7885..7992, 8038..8142		

Seq. No.	26111	Seq. ID	OJ990804_07.9C07.C25
Gene No.	54131	Strand	-
Start	401	End	8199
Name	OJ990804_07.9C07.C25.o4.ts	Method	TBLASTX:Soybean
Start	7884	End	8130
GI	none	Score	189
Exons	7884..8129, 7885..8130		

Seq. No.	26112	Seq. ID	OJ990804_07.9C07.C27
Gene No.	54132	Strand	+
Start	3684	End	4445
Name	OJ990804_07.9C07.C27.o1.gp	Method	AAT/GAP
Start	3684	End	4445
GI	none	Score	928
Exons	3684..3873, 4118..4445		

Seq. No.	26113	Seq. ID	OJ990804_07.9C07.C28
Gene No.	54133	Strand	+
Start	5406	End	5613
Name	OJ990804_07.9C07.C28.o2.np	Method	AAT/NAP
Start	5406	End	5613
GI	5738364	Score	100

Exons	5406..5613		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		
Seq. No.	26113	Seq. ID	OJ990804_07.9C07.C28
Gene No.	54134	Strand	-
Start	1	End	5461
Name	OJ990804_07.9C07.C28.o1.gp	Method	AAT/GAP
Start	1	End	385
GI	none	Score	749
Exons	1..385		
Seq. No.	26113	Seq. ID	OJ990804_07.9C07.C28
Gene No.	54134	Strand	-
Start	1	End	5461
Name	OJ990804_07.9C07.C28.o1.np	Method	AAT/NAP
Start	1	End	5461
GI	5257244	Score	57
Exons	1..53, 5026..5046, 5247..5461		
GI Descrip.	(AB026542) WASP-family protein [Homo sapiens]		
Seq. No.	26113	Seq. ID	OJ990804_07.9C07.C28
Gene No.	54134	Strand	-
Start	1	End	5461
Name	OJ990804_07.9C07.C28.o1.gs	Method	GENSCAN
Start	68	End	331
GI	none	Score	1
Exons	68..331		
Seq. No.	26113	Seq. ID	OJ990804_07.9C07.C28
Gene No.	54135	Strand	
Start	7343	End	7546
Name	OJ990804_07.9C07.C28.o1.tm	Method	TBLASTX:Maize
Start	7343	End	7546
GI	none	Score	204
Exons	7343..7546, 7343..7546		
Seq. No.	26114	Seq. ID	OJ990804_07.9C07.C29
Gene No.	54136	Strand	+
Start	273	End	720
Name	OJ990804_07.9C07.C29.o1.gs	Method	GENSCAN
Start	273	End	720
GI	none	Score	.58
Exons	273..720		
Seq. No.	26115	Seq. ID	OJ990804_07.9C07.C30
Gene No.	54137	Strand	+
Start	63	End	500
Name	OJ990804_07.9C07.C30.o1.gp	Method	AAT/GAP
Start	63	End	500
GI	LIB3431-024-P1-K1-H9	Score	808
Exons	63..500		
GI Descrip.	'1001955 3.0e-53 (U19099) unknown protein [Lycopersicon chilense]'		
Seq. No.	26115	Seq. ID	OJ990804_07.9C07.C30
Gene No.	54138	Strand	+
Start	1152	End	1279

Name	OJ990804_07.9C07.C30.o2.gp	Method	AAT/GAP
Start	1152	End	1279
GI	none	Score	248
Exons	1152..1279		

Seq. No.	26115	Seq. ID	OJ990804_07.9C07.C30
Gene No.	54139	Strand	-
Start	1195	End	1264
Name	OJ990804_07.9C07.C30.o1.gs	Method	GENSCAN
Start	1195	End	1264
GI	none	Score	.97
Exons	1195..1264		

Seq. No.	26116	Seq. ID	OJ990804_01.9C17.C1
Gene No.	54140	Strand	-
Start	367	End	473
Name	OJ990804_01.9C17.C1.o1.gs	Method	GENSCAN
Start	367	End	473
GI	none	Score	.84
Exons	367..473		

Seq. No.	26117	Seq. ID	OJ990804_01.9C17.C2
Gene No.	54141	Strand	-
Start	235	End	357
Name	OJ990804_01.9C17.C2.o1.gs	Method	GENSCAN
Start	235	End	357
GI	none	Score	.95
Exons	235..357		

Seq. No.	26118	Seq. ID	OJ990804_01.9C17.C3
Gene No.	54142	Strand	-
Start	1	End	371
Name	OJ990804_01.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	371
GI	3820568	Score	210
Exons	1..371		
GI Descrip.	(AF087518) resistance protein [Triticum aestivum]		

Seq. No.	26118	Seq. ID	OJ990804_01.9C17.C3
Gene No.	54143	Strand	-
Start	454	End	1384
Name	OJ990804_01.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	48	End	387
GI	none	Score	103
Exons	48..194, 52..195, 234..335, 331..387		

Seq. No.	26118	Seq. ID	OJ990804_01.9C17.C3
Gene No.	54143	Strand	-
Start	454	End	1384
Name	OJ990804_01.9C17.C3.o1.gs	Method	GENSCAN
Start	454	End	1384
GI	none	Score	.82
Exons	454..789, 901..1384		

Seq. No.	26119	Seq. ID	OJ990804_01.9C17.C4
Gene No.	54144	Strand	+
Start	327	End	397

Name	OJ990804_01.9C17.C4.o1.gs	Method	GENSCAN
Start	327	End	397
GI	none	Score	.66
Exons	327..397		

Seq. No.	26120	Seq. ID	OJ990804_01.9C17.C5
Gene No.	54145	Strand	+
Start	1	End	1455
Name	OJ990804_01.9C17.C5.o1.np	Method	AAT/NAP
Start	1	End	1455
GI	6069646	Score	414
Exons	1..158, 568..1455		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26120	Seq. ID	OJ990804_01.9C17.C5
Gene No.	54146	Strand	-
Start	1105	End	4565
Name	OJ990804_01.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	811	End	2999
GI	none	Score	99
Exons	811..975, 984..1094, 985..1215, 1261..1347, 2582..2698, 2723..2926, 2724..2930, 2946..2999		

Seq. No.	26120	Seq. ID	OJ990804_01.9C17.C5
Gene No.	54146	Strand	-
Start	1105	End	4565
Name	OJ990804_01.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	1036	End	2884
GI	none	Score	131
Exons	1036..1173, 1039..1152, 1279..1353, 2480..2692, 2747..2884		

Seq. No.	26120	Seq. ID	OJ990804_01.9C17.C5
Gene No.	54146	Strand	-
Start	1105	End	4565
Name	OJ990804_01.9C17.C5.o1.gs	Method	GENSCAN
Start	1105	End	4435
GI	none	Score	.43
Exons	1105..1322, 2653..2873, 3063..3279, 3850..4435		

Seq. No.	26120	Seq. ID	OJ990804_01.9C17.C5
Gene No.	54146	Strand	-
Start	1105	End	4565
Name	OJ990804_01.9C17.C5.o2.np	Method	AAT/NAP
Start	2465	End	3312
GI	6069646	Score	453
Exons	2465..3312		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26120	Seq. ID	OJ990804_01.9C17.C5

Gene No.	54146	Strand	-
Start	1105	End	4565
Name	OJ990804_01.9C17.C5.o3.np	Method	AAT/NAP
Start	3704	End	4565
GI	2943742	Score	167
Exons	3704..4359, 4458..4565		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	26121	Seq. ID	OJ990804_01.9C17.C6
Gene No.	54147	Strand	+
Start	14	End	204
Name	OJ990804_01.9C17.C6.o1.gs	Method	GENSCAN
Start	14	End	204
GI	none	Score	.96
Exons	14..204		

Seq. No.	26121	Seq. ID	OJ990804_01.9C17.C6
Gene No.	54148	Strand	-
Start	1	End	473
Name	OJ990804_01.9C17.C6.o1.np	Method	AAT/NAP
Start	1	End	473
GI	6630696	Score	772
Exons	1..473		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	26121	Seq. ID	OJ990804_01.9C17.C6
Gene No.	54148	Strand	-
Start	1	End	473
Name	OJ990804_01.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	3	End	138
GI	none	Score	176
Exons	3..134, 7..138, 12..137, 13..138		

Seq. No.	26121	Seq. ID	OJ990804_01.9C17.C6
Gene No.	54148	Strand	-
Start	1	End	473
Name	OJ990804_01.9C17.C6.o1.gp	Method	AAT/GAP
Start	59	End	473
GI	101595_1.R1084	Score	501
Exons	59..133, 249..473		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	26122	Seq. ID	OJ990804_01.9C17.C7
Gene No.	54149	Strand	+
Start	1	End	204
Name	OJ990804_01.9C17.C7.o1.gp	Method	AAT/GAP
Start	1	End	204
GI	23698_1.R1084	Score	390
Exons	1..204		
GI Descrip.	'3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	26122	Seq. ID	OJ990804_01.9C17.C7
Gene No.	54150	Strand	+

Start	720	End	799
Name	OJ990804_01.9C17.C7.o2.gp	Method	AAT/GAP
Start	720	End	799
GI	5038932	Score	136
Exons	720..799		
GI Descrip.	3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26123	Seq. ID	OJ990804_01.9C17.C8
Gene No.	54151	Strand	+
Start	1419	End	2081
Name	OJ990804_01.9C17.C8.o2.gp	Method	AAT/GAP
Start	1419	End	2081
GI	4714647	Score	1159
Exons	1419..2081		

Seq. No.	26123	Seq. ID	OJ990804_01.9C17.C8
Gene No.	54152	Strand	-
Start	1	End	104
Name	OJ990804_01.9C17.C8.o1.gp	Method	AAT/GAP
Start	1	End	104
GI	33680_1.R1084	Score	196
Exons	1..104		
GI Descrip.	'4512705/gb|AAD21758.1| 3.0e-43 (AC006569) putative serine/threonine protein kinase [Arabidopsis thaliana]'		

Seq. No.	26123	Seq. ID	OJ990804_01.9C17.C8
Gene No.	54153	Strand	-
Start	59	End	4683
Name	OJ990804_01.9C17.C8.o1.gs	Method	GENSCAN
Start	59	End	4683
GI	none	Score	.73
Exons	59..941, 1081..1309, 1430..1619, 1786..1849, 1898..1981, 2372..2448, 3103..3148, 4673..4683		

Seq. No.	26123	Seq. ID	OJ990804_01.9C17.C8
Gene No.	54153	Strand	-
Start	59	End	4683
Name	OJ990804_01.9C17.C8.o1.np	Method	AAT/NAP
Start	67	End	985
GI	6056194	Score	458
Exons	67..985		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	26123	Seq. ID	OJ990804_01.9C17.C8
Gene No.	54153	Strand	-
Start	59	End	4683
Name	OJ990804_01.9C17.C8.o2.tc	Method	TBLASTX:Cress
Start	74	End	472
GI	none	Score	72
Exons	74..271, 74..328, 324..470, 329..472		

Seq. No.	26123	Seq. ID	OJ990804_01.9C17.C8
Gene No.	54153	Strand	-
Start	59	End	4683
Name	OJ990804_01.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	125	End	1535

GI	none	Score	61
Exons	125..535, 126..191, 128..547, 593..988, 669..794, 782..901, 822..989, 1050..1205, 1054..1206, 1446..1535		

Seq. No.	26123	Seq. ID	OJ990804_01.9C17.C8
Gene No.	54153	Strand	-
Start	59	End	4683
Name	OJ990804_01.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	255	End	520
GI	none	Score	315
Exons	255..488, 255..383, 257..520, 257..487		

Seq. No.	26123	Seq. ID	OJ990804_01.9C17.C8
Gene No.	54153	Strand	-
Start	59	End	4683
Name	OJ990804_01.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	329	End	982
GI	none	Score	69
Exons	329..577, 330..491, 626..982		

Seq. No.	26123	Seq. ID	OJ990804_01.9C17.C8
Gene No.	54153	Strand	-
Start	59	End	4683
Name	OJ990804_01.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	626	End	1175
GI	none	Score	45
Exons	626..985, 738..830, 879..971, 1080..1175		

Seq. No.	26124	Seq. ID	OJ990804_01.9C17.C9
Gene No.	54154	Strand	-
Start	80	End	589
Name	OJ990804_01.9C17.C9.o1.gs	Method	GENSCAN
Start	80	End	511
GI	none	Score	.62
Exons	80..511		

Seq. No.	26124	Seq. ID	OJ990804_01.9C17.C9
Gene No.	54154	Strand	-
Start	80	End	589
Name	OJ990804_01.9C17.C9.o1.gp	Method	AAT/GAP
Start	81	End	589
GI	none	Score	935
Exons	81..589		

Seq. No.	26125	Seq. ID	OJ990804_01.9C17.C11
Gene No.	54155	Strand	-
Start	1	End	1708
Name	OJ990804_01.9C17.C11.o1.np	Method	AAT/NAP
Start	1	End	1708
GI	2943742	Score	226
Exons	1..84, 974..1708		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	26126	Seq. ID	OJ990804_01.9C17.C12
Gene No.	54156	Strand	+
Start	122	End	252
Name	OJ990804_01.9C17.C12.o1.gs	Method	GENSCAN

Start	122	End	252
GI	none	Score	.62
Exons	122..252		

Seq. No.	26126	Seq. ID	OJ990804_01.9C17.C12
Gene No.	54157	Strand	-
Start	1	End	479
Name	OJ990804_01.9C17.C12.o1.np	Method	AAT/NAP
Start	1	End	479
GI	421954	Score	375
Exons	1..479		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi|21433|emb|CAA36615| (X52387) ORF3 [Solanum tuberosum]		

Seq. No.	26126	Seq. ID	OJ990804_01.9C17.C12
Gene No.	54157	Strand	-
Start	1	End	479
Name	OJ990804_01.9C17.C12.o1.ts	Method	TBLASTX:Soybean
Start	1	End	330
GI	none	Score	53
Exons	1..195, 3..239, 243..329, 244..330		

Seq. No.	26126	Seq. ID	OJ990804_01.9C17.C12
Gene No.	54157	Strand	-
Start	1	End	479
Name	OJ990804_01.9C17.C12.o1.tw	Method	TBLASTX:Wheat
Start	51	End	398
GI	none	Score	47
Exons	51..398, 196..354		

Seq. No.	26126	Seq. ID	OJ990804_01.9C17.C12
Gene No.	54157	Strand	-
Start	1	End	479
Name	OJ990804_01.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	180	End	479
GI	none	Score	87
Exons	180..260, 180..260, 193..261, 194..262, 249..476, 270..479, 271..477		

Seq. No.	26126	Seq. ID	OJ990804_01.9C17.C12
Gene No.	54157	Strand	-
Start	1	End	479
Name	OJ990804_01.9C17.C12.o1.tc	Method	TBLASTX:Cress
Start	207	End	410
GI	none	Score	80
Exons	207..410, 210..398		

Seq. No.	26127	Seq. ID	OJ990804_01.9C17.C13
Gene No.	54158	Strand	+
Start	193	End	718
Name	OJ990804_01.9C17.C13.o1.np	Method	AAT/NAP
Start	193	End	718
GI	5091513	Score	570
Exons	193..718		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	26127	Seq. ID	OJ990804_01.9C17.C13

Gene No.	54158	Strand	+
Start	193	End	718
Name	OJ990804_01.9C17.C13.o1.gs	Method	GENSCAN
Start	214	End	697
GI	none	Score	.46
Exons	214..697		

Seq. No.	26128	Seq. ID	OJ990804_01.9C17.C14
Gene No.	54159	Strand	-
Start	1	End	366
Name	OJ990804_01.9C17.C14.o1.np	Method	AAT/NAP
Start	1	End	345
GI	3355308	Score	72
Exons	1..109, 160..345		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	26128	Seq. ID	OJ990804_01.9C17.C14
Gene No.	54159	Strand	-
Start	1	End	366
Name	OJ990804_01.9C17.C14.o1.gs	Method	GENSCAN
Start	82	End	366
GI	none	Score	.68
Exons	82..366		

Seq. No.	26129	Seq. ID	OJ990804_01.9C17.C17
Gene No.	54160	Strand	+
Start	129	End	1078
Name	OJ990804_01.9C17.C17.o1.gs	Method	GENSCAN
Start	129	End	477
GI	none	Score	.64
Exons	129..477		

Seq. No.	26129	Seq. ID	OJ990804_01.9C17.C17
Gene No.	54160	Strand	+
Start	129	End	1078
Name	OJ990804_01.9C17.C17.o1.np	Method	AAT/NAP
Start	300	End	1078
GI	2792210	Score	389
Exons	300..1078		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	26129	Seq. ID	OJ990804_01.9C17.C17
Gene No.	54160	Strand	+
Start	129	End	1078
Name	OJ990804_01.9C17.C17.o1.tm	Method	TBLASTX:Maize
Start	459	End	800
GI	none	Score	67
Exons	459..575, 461..517, 468..614, 653..796, 654..800		

Seq. No.	26130	Seq. ID	OJ990804_01.9C17.C18
Gene No.	54161	Strand	-
Start	1	End	654
Name	OJ990804_01.9C17.C18.o1.np	Method	AAT/NAP
Start	1	End	654
GI	2943742	Score	77
Exons	1..88, 287..422, 561..654		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	26130	Seq. ID	OJ990804_01.9C17.C18
Gene No.	54161	Strand	-
Start	1	End	654
Name	OJ990804_01.9C17.C18.o1.gs	Method	GENSCAN
Start	56	End	611
GI	none	Score	.97
Exons	56..611		

Seq. No.	26131	Seq. ID	OJ990804_01.9C17.C19
Gene No.	54162	Strand	-
Start	1	End	1012
Name	OJ990804_01.9C17.C19.o1.np	Method	AAT/NAP
Start	1	End	1012
GI	5690095	Score	550
Exons	1..1012		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	26131	Seq. ID	OJ990804_01.9C17.C19
Gene No.	54162	Strand	-
Start	1	End	1012
Name	OJ990804_01.9C17.C19.o1.tm	Method	TBLASTX:Maize
Start	61	End	341
GI	none	Score	96
Exons	61..165, 63..164, 210..341, 213..341		

Seq. No.	26132	Seq. ID	OJ990804_01.9C17.C20
Gene No.	54163	Strand	+
Start	1	End	384
Name	OJ990804_01.9C17.C20.o1.gp	Method	AAT/GAP
Start	1	End	384
GI	426661	Score	310
Exons	1..121, 273..384		

Seq. No.	26132	Seq. ID	OJ990804_01.9C17.C20
Gene No.	54164	Strand	-
Start	285	End	712
Name	OJ990804_01.9C17.C20.o1.gs	Method	GENSCAN
Start	285	End	712
GI	none	Score	.82
Exons	285..354, 372..499, 584..712		

Seq. No.	26133	Seq. ID	OJ990804_01.9C17.C21
Gene No.	54165	Strand	+
Start	194	End	278
Name	OJ990804_01.9C17.C21.o1.np	Method	AAT/NAP
Start	194	End	278
GI	6006375	Score	85
Exons	194..278		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	26133	Seq. ID	OJ990804_01.9C17.C21
Gene No.	54166	Strand	-
Start	82	End	154
Name	OJ990804_01.9C17.C21.o1.gs	Method	GENSCAN
Start	82	End	154

GI	none	Score	.67
Exons	82..154		

Seq. No.	26134	Seq. ID	OJ990804_01.9C17.C22
Gene No.	54167	Strand	-
Start	86	End	1864
Name	OJ990804_01.9C17.C22.o1.np	Method	AAT/NAP
Start	86	End	1864
GI	6815062	Score	286
Exons	86..292, 728..1046, 1153..1203, 1274..1371, 1448..1757, 1816..1864		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	26134	Seq. ID	OJ990804_01.9C17.C22
Gene No.	54167	Strand	-
Start	86	End	1864
Name	OJ990804_01.9C17.C22.o1.gs	Method	GENSCAN
Start	830	End	1676
GI	none	Score	.64
Exons	830..1203, 1312..1371, 1650..1676		

Seq. No.	26135	Seq. ID	OJ990804_01.9C17.C23
Gene No.	54168	Strand	-
Start	1	End	2113
Name	OJ990804_01.9C17.C23.o1.np	Method	AAT/NAP
Start	1	End	2113
GI	6815062	Score	1625
Exons	1..884, 976..1046, 1154..2113		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	26135	Seq. ID	OJ990804_01.9C17.C23
Gene No.	54168	Strand	-
Start	1	End	2113
Name	OJ990804_01.9C17.C23.o1.tm	Method	TBLASTX:Maize
Start	181	End	685
GI	none	Score	198
Exons	181..519, 185..490, 304..519, 550..684, 560..685		

Seq. No.	26135	Seq. ID	OJ990804_01.9C17.C23
Gene No.	54168	Strand	-
Start	1	End	2113
Name	OJ990804_01.9C17.C23.o2.tm	Method	TBLASTX:Maize
Start	1647	End	1925
GI	none	Score	76
Exons	1647..1925, 1744..1869		

Seq. No.	26136	Seq. ID	OJ990804_01.9C17.C24
Gene No.	54169	Strand	+
Start	498	End	872
Name	OJ990804_01.9C17.C24.o1.gp	Method	AAT/GAP
Start	498	End	872
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	498..551, 819..872		

GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	26136	Seq. ID	OJ990804_01.9C17.C24
Gene No.	54170	Strand	+
Start	816	End	876
Name	OJ990804_01.9C17.C24.o2.gp	Method	AAT/GAP
Start	816	End	876
GI	3760640	Score	75
Exons	816..876		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	26136	Seq. ID	OJ990804_01.9C17.C24
Gene No.	54171	Strand	-
Start	1046	End	1869
Name	OJ990804_01.9C17.C24.o1.gs	Method	GENSCAN
Start	1046	End	1869
GI	none	Score	.83
Exons	1046..1105, 1227..1293, 1424..1565, 1767..1869		
Seq. No.	26137	Seq. ID	OJ990804_01.9C17.C25
Gene No.	54172	Strand	+
Start	400	End	611
Name	OJ990804_01.9C17.C25.o1.gs	Method	GENSCAN
Start	400	End	611
GI	none	Score	.99
Exons	400..611		
Seq. No.	26137	Seq. ID	OJ990804_01.9C17.C25
Gene No.	54173	Strand	+
Start	6893	End	7901
Name	OJ990804_01.9C17.C25.o1.np	Method	AAT/NAP
Start	6893	End	7901
GI	140291	Score	375
Exons	6893..7222, 7866..7901		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		
Seq. No.	26137	Seq. ID	OJ990804_01.9C17.C25
Gene No.	54174	Strand	-
Start	1698	End	2315
Name	OJ990804_01.9C17.C25.o2.gs	Method	GENSCAN
Start	1698	End	2315
GI	none	Score	.56
Exons	1698..1827, 2275..2315		
Seq. No.	26137	Seq. ID	OJ990804_01.9C17.C25
Gene No.	54175	Strand	
Start	6949	End	7204
Name	OJ990804_01.9C17.C25.o1.tc	Method	TBLASTX:Cress
Start	6949	End	7204
GI	none	Score	230
Exons	6949..7188, 6952..7191, 6953..7195, 6962..7204		

Seq. No.	26137	Seq. ID	OJ990804_01.9C17.C25
Gene No.	54175	Strand	
Start	6949	End	7204
Name	OJ990804_01.9C17.C25.o1.tm	Method	TBLASTX:Maize
Start	7048	End	7195
GI	none	Score	45
Exons	7048..7080, 7049..7081, 7059..7193, 7066..7191, 7067..7195		

Seq. No.	26138	Seq. ID	OJ990804_01.9C17.C26
Gene No.	54176	Strand	+
Start	604	End	868
Name	OJ990804_01.9C17.C26.o1.np	Method	AAT/NAP
Start	604	End	868
GI	140291	Score	301
Exons	604..868		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	26138	Seq. ID	OJ990804_01.9C17.C26
Gene No.	54176	Strand	+
Start	604	End	868
Name	OJ990804_01.9C17.C26.o1.tc	Method	TBLASTX:Cress
Start	660	End	861
GI	none	Score	192
Exons	660..857, 663..857, 664..858, 673..861		

Seq. No.	26139	Seq. ID	OJ990804_01.9C17.C27
Gene No.	54177	Strand	-
Start	1	End	503
Name	OJ990804_01.9C17.C27.o1.np	Method	AAT/NAP
Start	1	End	503
GI	6815062	Score	353
Exons	1..503		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	26139	Seq. ID	OJ990804_01.9C17.C27
Gene No.	54177	Strand	-
Start	1	End	503
Name	OJ990804_01.9C17.C27.o1.tm	Method	TBLASTX:Maize
Start	1	End	285
GI	none	Score	208
Exons	1..285, 6..284		

Seq. No.	26139	Seq. ID	OJ990804_01.9C17.C27
Gene No.	54177	Strand	-
Start	1	End	503
Name	OJ990804_01.9C17.C27.o1.gs	Method	GENSCAN
Start	30	End	309
GI	none	Score	.54
Exons	30..309		

Seq. No.	26140	Seq. ID	OJ990804_01.9C17.C29

Gene No.	54178	Strand	+
Start	9800	End	14168
Name	OJ990804_01.9C17.C29.o2.np	Method	AAT/NAP
Start	9800	End	10431
GI	3688185	Score	190
Exons	9800..9887, 10112..10431		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	26140	Seq. ID	OJ990804_01.9C17.C29
Gene No.	54178	Strand	+
Start	9800	End	14168
Name	OJ990804_01.9C17.C29.o3.gs	Method	GENSCAN
Start	10057	End	14168
GI	none	Score	.45
Exons	10057..10413, 12003..12177, 13177..13311, 13366..13558, 14087..14168		

Seq. No.	26140	Seq. ID	OJ990804_01.9C17.C29
Gene No.	54179	Strand	-
Start	693	End	7294
Name	OJ990804_01.9C17.C29.o1.gs	Method	GENSCAN
Start	693	End	5287
GI	none	Score	.59
Exons	693..814, 1013..1158, 1915..2019, 4753..4994, 5066..5287		

Seq. No.	26140	Seq. ID	OJ990804_01.9C17.C29
Gene No.	54179	Strand	-
Start	693	End	7294
Name	OJ990804_01.9C17.C29.o1.np	Method	AAT/NAP
Start	1738	End	7294
GI	4680341	Score	645
Exons	1738..1760, 4120..4168, 4476..4838, 4897..4980, 5006..5092, 7159..7294		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	26140	Seq. ID	OJ990804_01.9C17.C29
Gene No.	54180	Strand	-
Start	7763	End	9610
Name	OJ990804_01.9C17.C29.o2.gs	Method	GENSCAN
Start	7763	End	9610
GI	none	Score	.79
Exons	7763..7909, 8605..8734, 9416..9441, 9551..9610		

Seq. No.	26140	Seq. ID	OJ990804_01.9C17.C29
Gene No.	54181	Strand	-
Start	10369	End	10679
Name	OJ990804_01.9C17.C29.o1.gp	Method	AAT/GAP
Start	10369	End	10679
GI	87968_1.R1084	Score	560
Exons	10369..10679		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	26140	Seq. ID	OJ990804_01.9C17.C29
Gene No.	54182	Strand	-
Start	12331	End	12415
Name	OJ990804_01.9C17.C29.o1.tw	Method	TBLASTX:Wheat

Start	4150	End	4587
GI	none	Score	42
Exons	4150..4194, 4178..4237, 4199..4225, 4351..4422, 4352..4426, 4352..4432, 4356..4430, 4420..4473, 4421..4474, 4427..4519, 4489..4587, 4493..4540, 4494..4586		

Seq. No.	26140	Seq. ID	OJ990804_01.9C17.C29
Gene No.	54182	Strand	-
Start	12331	End	12415
Name	OJ990804_01.9C17.C29.o1.tm	Method	TBLASTX:Maize
Start	10117	End	10260
GI	none	Score	200
Exons	10117..10260, 10146..10259		

Seq. No.	26140	Seq. ID	OJ990804_01.9C17.C29
Gene No.	54182	Strand	-
Start	12331	End	12415
Name	OJ990804_01.9C17.C29.o2.gp	Method	AAT/GAP
Start	12331	End	12415
GI	3760640	Score	102
Exons	12331..12415		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	26141	Seq. ID	OJ990804_01.9C17.C30
Gene No.	54183	Strand	+
Start	821	End	1131
Name	OJ990804_01.9C17.C30.o1.gs	Method	GENSCAN
Start	821	End	1131
GI	none	Score	.7
Exons	821..857, 911..1013, 1125..1131		

Seq. No.	26141	Seq. ID	OJ990804_01.9C17.C30
Gene No.	54184	Strand	-
Start	2106	End	2261
Name	OJ990804_01.9C17.C30.o2.gs	Method	GENSCAN
Start	2106	End	2261
GI	none	Score	.82
Exons	2106..2261		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54185	Strand	+
Start	1	End	2248
Name	OJ990804_01.9C17.C32.o1.gp	Method	AAT/GAP
Start	1	End	209
GI	5456483	Score	231
Exons	1..43, 122..209		
GI Descrip.	4512705/gb|AAD21758.1| 6.0e-26 (AC006569) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54185	Strand	+
Start	1	End	2248
Name	OJ990804_01.9C17.C32.o1.np	Method	AAT/NAP
Start	1	End	2248
GI	4512705	Score	716
Exons	1..42, 136..365, 449..800, 2180..2248		

GI Descrip. (AC006569) putative protein kinase [Arabidopsis thaliana]

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54185	Strand	+
Start	1	End	2248
Name	OJ990804_01.9C17.C32.o1.gs	Method	GENSCAN
Start	122	End	1618
GI	none	Score	.86
Exons	122..365, 449..1081, 1522..1618		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54185	Strand	+
Start	1	End	2248
Name	OJ990804_01.9C17.C32.o2.gp	Method	AAT/GAP
Start	229	End	600
GI	428954	Score	558
Exons	229..365, 449..600		

GI Descrip. 4512705/gb|AAD21758.1| 3.0e-43 (AC006569) putative serine/threonine protein kinase [Arabidopsis thaliana]

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54185	Strand	+
Start	1	End	2248
Name	OJ990804_01.9C17.C32.o3.gp	Method	AAT/GAP
Start	1110	End	1469
GI	70388_1.R1084	Score	691
Exons	1110..1469		

GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54186	Strand	+
Start	4432	End	7379
Name	OJ990804_01.9C17.C32.o3.gs	Method	GENSCAN
Start	4432	End	7379
GI	none	Score	.68
Exons	4432..4511, 4715..4829, 6569..6793, 7347..7379		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54187	Strand	+
Start	13585	End	16586
Name	OJ990804_01.9C17.C32.o3.np	Method	AAT/NAP
Start	13585	End	13938
GI	4539658	Score	79
Exons	13585..13697, 13794..13938		

GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54187	Strand	+
Start	13585	End	16586
Name	OJ990804_01.9C17.C32.o4.np	Method	AAT/NAP
Start	13585	End	16586
GI	4539658	Score	88
Exons	13585..13697, 13794..13952, 16437..16586		

GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54188	Strand	-
Start	2265	End	3420
Name	OJ990804_01.9C17.C32.o2.gs	Method	GENSCAN
Start	2265	End	3420
GI	none	Score	.48
Exons	2265..2489, 2630..2718, 2812..3076, 3286..3420		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54189	Strand	-
Start	7966	End	8252
Name	OJ990804_01.9C17.C32.o4.gs	Method	GENSCAN
Start	7966	End	8252
GI	none	Score	.95
Exons	7966..8012, 8207..8252		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54190	Strand	-
Start	9027	End	11550
Name	OJ990804_01.9C17.C32.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1063
GI	none	Score	75
Exons	1..42, 3..41, 109..369, 138..365, 200..373, 450..791, 455..790, 915..1043, 956..1063		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54190	Strand	-
Start	9027	End	11550
Name	OJ990804_01.9C17.C32.o2.tc	Method	TBLASTX:Cress
Start	142	End	767
GI	none	Score	87
Exons	142..207, 211..369, 219..308, 339..371, 449..652, 450..767		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54190	Strand	-
Start	9027	End	11550
Name	OJ990804_01.9C17.C32.o1.tw	Method	TBLASTX:Wheat
Start	145	End	617
GI	none	Score	81
Exons	145..207, 159..218, 226..369, 237..365, 450..617, 455..610		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54190	Strand	-
Start	9027	End	11550
Name	OJ990804_01.9C17.C32.o2.tm	Method	TBLASTX:Maize
Start	228	End	700
GI	none	Score	156
Exons	228..362, 228..365, 229..369, 444..698, 450..698, 452..700		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54190	Strand	-
Start	9027	End	11550
Name	OJ990804_01.9C17.C32.o3.tm	Method	TBLASTX:Maize
Start	758	End	1105
GI	none	Score	447
Exons	758..1105, 759..1088		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54190	Strand	-
Start	9027	End	11550
Name	OJ990804_01.9C17.C32.o2.np	Method	AAT/NAP
Start	9027	End	11550
GI	3892045	Score	713
Exons	9027..9040, 10732..10813, 10900..11299, 11373..11550		
GI Descrip.	(AC002330) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54190	Strand	-
Start	9027	End	11550
Name	OJ990804_01.9C17.C32.o4.gp	Method	AAT/GAP
Start	9527	End	9938
GI	2280715	Score	820
Exons	9527..9938		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54190	Strand	-
Start	9027	End	11550
Name	OJ990804_01.9C17.C32.o1.tc	Method	TBLASTX:Cress
Start	10777	End	11300
GI	none	Score	120
Exons	10777..10815, 10905..11006, 10912..11007, 10999..11148, 11004..11132, 11124..11222, 11125..11181, 11191..11223, 11217..11300, 11218..11298		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54190	Strand	-
Start	9027	End	11550
Name	OJ990804_01.9C17.C32.o1.tm	Method	TBLASTX:Maize
Start	10777	End	11446
GI	none	Score	52
Exons	10777..10815, 10777..10815, 10905..11141, 10912..11142, 11121..11300, 11149..11301, 11363..11446		

Seq. No.	26142	Seq. ID	OJ990804_01.9C17.C32
Gene No.	54190	Strand	-
Start	9027	End	11550
Name	OJ990804_01.9C17.C32.o2.ts	Method	TBLASTX:Soybean
Start	10920	End	11259
GI	none	Score	227
Exons	10920..11129, 10921..11148, 11124..11258, 11125..11259		

Seq. No.	26143	Seq. ID	OJ990804_01.9C17.C33
Gene No.	54191	Strand	+
Start	11000	End	12608
Name	OJ990804_01.9C17.C33.o3.gs	Method	GENSCAN
Start	11000	End	12608
GI	none	Score	.57
Exons	11000..11388, 11412..11665, 12120..12225, 12461..12608		

Seq. No.	26143	Seq. ID	OJ990804_01.9C17.C33
Gene No.	54192	Strand	-
Start	296	End	4418
Name	OJ990804_01.9C17.C33.o1.gs	Method	GENSCAN

Start	296	End	4418
GI	none	Score	.66
Exons	296..312, 427..705, 923..1213, 1408..1512, 2027..2236, 2324..2443, 2545..2643, 2722..2787, 2951..3178, 3253..3357, 3448..3558, 4361..4418		

Seq. No.	26143	Seq. ID	OJ990804_01.9C17.C33
Gene No.	54193	Strand	-
Start	8519	End	9689
Name	OJ990804_01.9C17.C33.o2.gs	Method	GENSCAN
Start	8519	End	9689
GI	none	Score	.42
Exons	8519..8739, 9581..9689		

Seq. No.	26143	Seq. ID	OJ990804_01.9C17.C33
Gene No.	54194	Strand	-
Start	13084	End	14290
Name	OJ990804_01.9C17.C33.o1.tc	Method	TBLASTX:Cress
Start	918	End	1301
GI	none	Score	168
Exons	918..1301, 922..1296, 978..1268		

Seq. No.	26143	Seq. ID	OJ990804_01.9C17.C33
Gene No.	54194	Strand	-
Start	13084	End	14290
Name	OJ990804_01.9C17.C33.o1.tm	Method	TBLASTX:Maize
Start	918	End	1160
GI	none	Score	159
Exons	918..1154, 934..1152, 999..1160		

Seq. No.	26143	Seq. ID	OJ990804_01.9C17.C33
Gene No.	54194	Strand	-
Start	13084	End	14290
Name	OJ990804_01.9C17.C33.o2.tm	Method	TBLASTX:Maize
Start	11132	End	11622
GI	none	Score	140
Exons	11132..11374, 11197..11268, 11408..11515, 11563..11622		

Seq. No.	26143	Seq. ID	OJ990804_01.9C17.C33
Gene No.	54194	Strand	-
Start	13084	End	14290
Name	OJ990804_01.9C17.C33.o1.tw	Method	TBLASTX:Wheat
Start	11563	End	11997
GI	none	Score	244
Exons	11563..11997		

Seq. No.	26143	Seq. ID	OJ990804_01.9C17.C33
Gene No.	54194	Strand	-
Start	13084	End	14290
Name	OJ990804_01.9C17.C33.o1.np	Method	AAT/NAP
Start	13084	End	14290
GI	5852084	Score	74
Exons	13084..13189, 14266..14290		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	26144	Seq. ID	OJ990804_01.9C17.C34
Gene No.	54195	Strand	-

Start	937	End	1050
Name	OJ990804_01.9C17.C34.o1.gs	Method	GENSCAN
Start	937	End	1050
GI	none	Score	.65
Exons	937..1050		

Seq. No.	26145	Seq. ID	OJ990804_01.9C17.C35
Gene No.	54196	Strand	+
Start	3157	End	3607
Name	OJ990804_01.9C17.C35.o1.gp	Method	AAT/GAP
Start	3157	End	3607
GI	none	Score	855
Exons	3157..3607		

Seq. No.	26145	Seq. ID	OJ990804_01.9C17.C35
Gene No.	54197	Strand	-
Start	39	End	3746
Name	OJ990804_01.9C17.C35.o1.gs	Method	GENSCAN
Start	39	End	3677
GI	none	Score	.71
Exons	39..210, 280..412, 1468..1489, 3357..3677		

Seq. No.	26145	Seq. ID	OJ990804_01.9C17.C35
Gene No.	54197	Strand	-
Start	39	End	3746
Name	OJ990804_01.9C17.C35.o1.tm	Method	TBLASTX:Maize
Start	3505	End	3746
GI	none	Score	238
Exons	3505..3744, 3510..3746		

Seq. No.	26146	Seq. ID	OJ990804_01.9C17.C36
Gene No.	54198	Strand	-
Start	5033	End	10655
Name	OJ990804_01.9C17.C36.o1.gp	Method	AAT/GAP
Start	5033	End	7394
GI	20096_1.R1084	Score	1595
Exons	5033..5636, 6213..6296, 6388..6455, 6647..6728, 7075..7139, 7297..7394		
GI Descrip.	'2853097/emb|CAA16913| 2.0e-12 (AL021767) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	26146	Seq. ID	OJ990804_01.9C17.C36
Gene No.	54198	Strand	-
Start	5033	End	10655
Name	OJ990804_01.9C17.C36.o1.tm	Method	TBLASTX:Maize
Start	5506	End	8526
GI	none	Score	39
Exons	5506..5568, 5519..5563, 5577..5636, 5578..5637, 6210..6296, 6211..6297, 6386..6454, 6388..6456, 6389..6460, 6645..6731, 6646..6729, 7073..7150, 7073..7141, 7074..7142, 7096..7149, 7322..7351, 7325..7366, 7391..7543, 7404..7529, 8327..8398, 8383..8526		

Seq. No.	26146	Seq. ID	OJ990804_01.9C17.C36
Gene No.	54198	Strand	-
Start	5033	End	10655
Name	OJ990804_01.9C17.C36.o1.ts	Method	TBLASTX:Soybean

Start	5575	End	6731
GI	none	Score	79
Exons	5575..5637, 5580..5636, 6210..6296, 6211..6297, 6213..6299, 6384..6455, 6388..6456, 6389..6457, 6641..6730, 6645..6731, 6646..6729		

Seq. No.	26146	Seq. ID	OJ990804_01.9C17.C36
Gene No.	54198	Strand	-
Start	5033	End	10655
Name	OJ990804_01.9C17.C36.o1.tc	Method	TBLASTX:Cress
Start	5580	End	7534
GI	none	Score	117
Exons	5580..5636, 6210..6296, 6211..6297, 6218..6298, 6388..6456, 6389..6460, 6643..6729, 6645..6731, 7073..7135, 7394..7534, 7404..7529		

Seq. No.	26146	Seq. ID	OJ990804_01.9C17.C36
Gene No.	54198	Strand	-
Start	5033	End	10655
Name	OJ990804_01.9C17.C36.o1.np	Method	AAT/NAP
Start	5583	End	7543
GI	2853097	Score	180
Exons	5583..5636, 6213..6296, 6388..6455, 6647..6718, 7148..7193, 7297..7543		
GI Descrip.	(AL021767) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	26146	Seq. ID	OJ990804_01.9C17.C36
Gene No.	54198	Strand	-
Start	5033	End	10655
Name	OJ990804_01.9C17.C36.o2.gs	Method	GENSCAN
Start	6174	End	10655
GI	none	Score	.88
Exons	6174..6296, 6388..6455, 6647..6728, 7075..7139, 7297..7734, 9502..9617, 10045..10182, 10455..10655		

Seq. No.	26146	Seq. ID	OJ990804_01.9C17.C36
Gene No.	54198	Strand	-
Start	5033	End	10655
Name	OJ990804_01.9C17.C36.o2.ts	Method	TBLASTX:Soybean
Start	7394	End	7534
GI	none	Score	104
Exons	7394..7534, 7431..7529		

Seq. No.	26146	Seq. ID	OJ990804_01.9C17.C36
Gene No.	54198	Strand	-
Start	5033	End	10655
Name	OJ990804_01.9C17.C36.o2.gp	Method	AAT/GAP
Start	7437	End	7719
GI	uC-osflcyp098c10b1	Score	433
Exons	7437..7719		
GI Descrip.	'1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa pathogenesis-related protein class 1 (PR-1) gene, complete cds'		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54199	Strand	+
Start	1	End	31848
Name	OJ990804_01.9C17.C37.o2.np	Method	AAT/NAP

Start	1	End	31848
GI	1142619	Score	101
Exons	1..191, 19754..19899, 22253..22360, 28135..28229, 31737..31848		
GI Descrip.	(U18348) phaseolin G-box binding protein PG1 [Phaseolus vulgaris]		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54199	Strand	+
Start	1	End	31848
Name	OJ990804_01.9C17.C37.o1.gs	Method	GENSCAN
Start	37	End	1189
GI	none	Score	1
Exons	37..222, 1049..1189		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54199	Strand	+
Start	1	End	31848
Name	OJ990804_01.9C17.C37.o1.gp	Method	AAT/GAP
Start	4505	End	5133
GI	426661	Score	620
Exons	4505..4669, 4798..4870, 5022..5133		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54199	Strand	+
Start	1	End	31848
Name	OJ990804_01.9C17.C37.o2.gs	Method	GENSCAN
Start	4572	End	7521
GI	none	Score	.52
Exons	4572..4669, 5384..5666, 5804..5995, 6616..6901, 7403..7521		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54199	Strand	+
Start	1	End	31848
Name	OJ990804_01.9C17.C37.o1.np	Method	AAT/NAP
Start	5544	End	7523
GI	4490730	Score	51
Exons	5544..5666, 5804..5894, 7495..7523		
GI Descrip.	(AL035709) putative protein [Arabidopsis thaliana]		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54199	Strand	+
Start	1	End	31848
Name	OJ990804_01.9C17.C37.o2.gp	Method	AAT/GAP
Start	6695	End	6779
GI	5003295	Score	136
Exons	6695..6779		
GI Descrip.	2914703 6.0e-09 (AC003974) unknown protein [Arabidopsis thaliana]		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54199	Strand	+
Start	1	End	31848
Name	OJ990804_01.9C17.C37.o4.gs	Method	GENSCAN
Start	9937	End	10423
GI	none	Score	.59
Exons	9937..10111, 10221..10423		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54199	Strand	+
Start	1	End	31848
Name	OJ990804_01.9C17.C37.o6.gs	Method	GENSCAN
Start	18984	End	27606
GI	none	Score	.8
Exons	18984..19185, 19365..19438, 19492..19899, 22253..22702, 23233..23334, 24296..24346, 24408..24673, 26807..26980, 27254..27278, 27394..27606		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54200	Strand	-
Start	8447	End	8776
Name	OJ990804_01.9C17.C37.o3.gs	Method	GENSCAN
Start	8447	End	8776
GI	none	Score	.94
Exons	8447..8776		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54201	Strand	-
Start	28023	End	28334
Name	OJ990804_01.9C17.C37.o7.gs	Method	GENSCAN
Start	28023	End	28334
GI	none	Score	.99
Exons	28023..28334		

Seq. No.	26147	Seq. ID	OJ990804_01.9C17.C37
Gene No.	54202	Strand	-
Start	29225	End	30209
Name	OJ990804_01.9C17.C37.o8.gs	Method	GENSCAN
Start	29225	End	30209
GI	none	Score	.7
Exons	29225..29474, 29710..29835, 29925..29952, 29999..30209		

Seq. No.	26148	Seq. ID	OJ990804_01.9C17.C38
Gene No.	54203	Strand	-
Start	39	End	293
Name	OJ990804_01.9C17.C38.o1.gs	Method	GENSCAN
Start	39	End	293
GI	none	Score	.81
Exons	39..293		

Seq. No.	26149	Seq. ID	OJ990804_01.9C17.C41
Gene No.	54204	Strand	-
Start	55	End	161
Name	OJ990804_01.9C17.C41.o1.gp	Method	AAT/GAP
Start	55	End	161
GI	5816518	Score	150
Exons	55..161		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	26149	Seq. ID	OJ990804_01.9C17.C41
Gene No.	54205	Strand	-
Start	467	End	755
Name	OJ990804_01.9C17.C41.o1.gs	Method	GENSCAN
Start	467	End	755

GI	none	Score	.62
Exons	467..667, 675..755		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o1.gp	Method	AAT/GAP
Start	1	End	553
GI	12563_2.R1084	Score	1038
Exons	1..553		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o1.np	Method	AAT/NAP
Start	1	End	2500
GI	4102839	Score	1283
Exons	1..781, 872..1410, 1911..2128, 2358..2500		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o1.tw	Method	TBLASTX:Wheat
Start	8	End	315
GI	none	Score	170
Exons	8..307, 70..315, 235..312		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o1.tc	Method	TBLASTX:Cress
Start	17	End	2466
GI	none	Score	84
Exons	17..79, 44..241, 70..324, 293..328, 407..601, 427..750, 653..718, 877..1353, 1001..1045, 1100..1354, 1938..2132, 1939..2130, 2350..2466, 2354..2461		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o2.tm	Method	TBLASTX:Maize
Start	41	End	469
GI	none	Score	168
Exons	41..79, 44..328, 70..324, 437..469		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o1.gs	Method	GENSCAN
Start	52	End	2718
GI	none	Score	.96
Exons	52..781, 872..1042, 1124..1410, 1911..2128, 2358..2457, 2662..2718		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o1.ts	Method	TBLASTX:Soybean
Start	136	End	2132
GI	none	Score	85
Exons	136..324, 407..568, 430..558, 556..687, 571..765, 883..1344, 1100..1315, 1920..2132, 1921..2085		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o1.tm	Method	TBLASTX:Maize
Start	469	End	1342
GI	none	Score	50
Exons	469..555, 470..520, 556..711, 559..738, 560..760, 874..1341, 1013..1342		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o2.gp	Method	AAT/GAP
Start	579	End	1129
GI	LIB3432-028-P1-K1-G9	Score	845
Exons	579..781, 872..1129		
GI Descrip.	'4322327/gb|AAD16016| 1.0e-33 (AF080545) peptide transporter [Nepenthes alata]'		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o3.gp	Method	AAT/GAP
Start	1357	End	2782
GI	uC-osrocyp012b11b1	Score	918
Exons	1357..1410, 1911..2128, 2358..2457, 2662..2782		
GI Descrip.	'4102839 8.0e-32 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o3.tm	Method	TBLASTX:Maize
Start	1906	End	2446
GI	none	Score	151
Exons	1906..2163, 1932..2132, 2347..2445, 2354..2446		

Seq. No.	26150	Seq. ID	OJ990804_01.9C17.C42
Gene No.	54206	Strand	-
Start	1	End	2782
Name	OJ990804_01.9C17.C42.o2.tw	Method	TBLASTX:Wheat
Start	1986	End	2460
GI	none	Score	157
Exons	1986..2132, 1990..2130, 2340..2444, 2350..2460, 2354..2455		

Seq. No.	26151	Seq. ID	OJ990804_01.9C17.C43
Gene No.	54207	Strand	-
Start	1	End	2703
Name	OJ990804_01.9C17.C43.o2.np	Method	AAT/NAP

Start	1	End	1974
GI	6069653	Score	182
Exons	1..89, 363..1225, 1437..1752, 1811..1974		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	26151	Seq. ID	OJ990804_01.9C17.C43
Gene No.	54207	Strand	-
Start	1	End	2703
Name	OJ990804_01.9C17.C43.o1.np	Method	AAT/NAP
Start	137	End	1872
GI	6907086	Score	534
Exons	137..223, 323..709, 876..1032, 1091..1872		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	26151	Seq. ID	OJ990804_01.9C17.C43
Gene No.	54207	Strand	-
Start	1	End	2703
Name	OJ990804_01.9C17.C43.o1.gs	Method	GENSCAN
Start	710	End	2703
GI	none	Score	.56
Exons	710..1242, 2584..2703		

Seq. No.	26152	Seq. ID	OJ990804_01.9C17.C44
Gene No.	54208	Strand	+
Start	1	End	870
Name	OJ990804_01.9C17.C44.o1.np	Method	AAT/NAP
Start	1	End	673
GI	6630696	Score	1096
Exons	1..673		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	26152	Seq. ID	OJ990804_01.9C17.C44
Gene No.	54208	Strand	+
Start	1	End	870
Name	OJ990804_01.9C17.C44.o1.tm	Method	TBLASTX:Maize
Start	2	End	207
GI	none	Score	101
Exons	2..199, 9..206, 9..197, 11..205, 49..207		

Seq. No.	26152	Seq. ID	OJ990804_01.9C17.C44
Gene No.	54208	Strand	+
Start	1	End	870
Name	OJ990804_01.9C17.C44.o1.ts	Method	TBLASTX:Soybean
Start	45	End	311
GI	none	Score	127
Exons	45..182, 177..311		

Seq. No.	26152	Seq. ID	OJ990804_01.9C17.C44
Gene No.	54208	Strand	+
Start	1	End	870
Name	OJ990804_01.9C17.C44.o1.tw	Method	TBLASTX:Wheat
Start	63	End	537
GI	none	Score	105
Exons	63..137, 64..123, 68..136, 152..322, 153..323, 319..537, 320..535, 325..537		

Seq. No.	26152	Seq. ID	OJ990804_01.9C17.C44
Gene No.	54208	Strand	+
Start	1	End	870
Name	OJ990804_01.9C17.C44.o2.tm	Method	TBLASTX:Maize
Start	547	End	870
GI	none	Score	114
Exons	547..636, 548..637, 549..638, 676..780, 683..787, 686..772, 687..779, 826..870, 845..868		

Seq. No.	26153	Seq. ID	OJ990804_01.9C17.C45
Gene No.	54209	Strand	-
Start	1	End	1880
Name	OJ990804_01.9C17.C45.o1.np	Method	AAT/NAP
Start	1	End	1880
GI	6907086	Score	1138
Exons	1..159, 261..395, 518..584, 810..1044, 1104..1880		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	26153	Seq. ID	OJ990804_01.9C17.C45
Gene No.	54210	Strand	-
Start	2591	End	4027
Name	OJ990804_01.9C17.C45.o2.np	Method	AAT/NAP
Start	2591	End	4027
GI	4680186	Score	216
Exons	2591..3009, 3537..3605, 3964..4027		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26153	Seq. ID	OJ990804_01.9C17.C45
Gene No.	54210	Strand	-
Start	2591	End	4027
Name	OJ990804_01.9C17.C45.o1.gp	Method	AAT/GAP
Start	3341	End	3813
GI	38782_1.R1084	Score	785
Exons	3341..3813		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46
Gene No.	54211	Strand	+
Start	56	End	2021
Name	OJ990804_01.9C17.C46.o1.gs	Method	GENSCAN
Start	56	End	2021
GI	none	Score	.45
Exons	56..120, 1325..1452, 1646..1698, 1869..2021		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46
Gene No.	54212	Strand	-
Start	66	End	8449
Name	OJ990804_01.9C17.C46.o1.np	Method	AAT/NAP
Start	66	End	8449
GI	4680183	Score	202
Exons	66..157, 766..834, 8399..8449		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46
Gene No.	54212	Strand	-

Start	66	End	8449
Name	OJ990804_01.9C17.C46.o2.gs	Method	GENSCAN
Start	3448	End	6503
GI	none	Score	.79
Exons	3448..3898, 4097..4312, 4589..5849, 5982..6038, 6368..6503		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46
Gene No.	54212	Strand	-
Start	66	End	8449
Name	OJ990804_01.9C17.C46.o2.np	Method	AAT/NAP
Start	3454	End	5752
GI	1946363	Score	301
Exons	3454..3800, 4979..5089, 5680..5752		
GI Descrip.	(U93215) putative glycine-rich protein [Arabidopsis thaliana]		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46
Gene No.	54212	Strand	-
Start	66	End	8449
Name	OJ990804_01.9C17.C46.o3.np	Method	AAT/NAP
Start	4600	End	7015
GI	6735317	Score	511
Exons	4600..5691, 5737..5820, 7000..7015		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46
Gene No.	54212	Strand	-
Start	66	End	8449
Name	OJ990804_01.9C17.C46.o1.tw	Method	TBLASTX:Wheat
Start	4649	End	4948
GI	none	Score	122
Exons	4649..4717, 4718..4948, 4720..4947		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46
Gene No.	54212	Strand	-
Start	66	End	8449
Name	OJ990804_01.9C17.C46.o2.tm	Method	TBLASTX:Maize
Start	4720	End	5820
GI	none	Score	175
Exons	4720..5019, 4751..5008, 5587..5679, 5737..5820		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46
Gene No.	54212	Strand	-
Start	66	End	8449
Name	OJ990804_01.9C17.C46.o1.ts	Method	TBLASTX:Soybean
Start	4909	End	5559
GI	none	Score	84
Exons	4909..5010, 5143..5559, 5216..5524		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46
Gene No.	54212	Strand	-
Start	66	End	8449
Name	OJ990804_01.9C17.C46.o1.tm	Method	TBLASTX:Maize
Start	5089	End	5568
GI	none	Score	78
Exons	5089..5568, 5197..5280, 5219..5494		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46

Gene No.	54212	Strand	-
Start	66	End	8449
Name	OJ990804_01.9C17.C46.o1.tc	Method	TBLASTX:Cress
Start	5215	End	5802
GI	none	Score	85
Exons	5215..5559, 5216..5524, 5590..5655, 5725..5802		

Seq. No.	26154	Seq. ID	OJ990804_01.9C17.C46
Gene No.	54212	Strand	-
Start	66	End	8449
Name	OJ990804_01.9C17.C46.o1.gp	Method	AAT/GAP
Start	5675	End	6515
GI	uC-osflcyp158d12b1	Score	656
Exons	5675..5849, 5982..6038, 6368..6515		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	26155	Seq. ID	OJ990804_01.9C17.C47
Gene No.	54213	Strand	+
Start	1	End	2689
Name	OJ990804_01.9C17.C47.o1.np	Method	AAT/NAP
Start	1	End	2689
GI	6692734	Score	835
Exons	1..136, 537..1087, 1219..1305, 1544..1600, 1703..1955, 2636..2689		
GI Descrip.	(AC012679) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	26155	Seq. ID	OJ990804_01.9C17.C47
Gene No.	54213	Strand	+
Start	1	End	2689
Name	OJ990804_01.9C17.C47.o1.tc	Method	TBLASTX:Cress
Start	1	End	881
GI	none	Score	159
Exons	1..135, 2..139, 537..881, 539..850		

Seq. No.	26155	Seq. ID	OJ990804_01.9C17.C47
Gene No.	54213	Strand	+
Start	1	End	2689
Name	OJ990804_01.9C17.C47.o1.ts	Method	TBLASTX:Soybean
Start	17	End	1832
GI	none	Score	65
Exons	17..139, 533..772, 537..1025, 1214..1303, 1701..1832		

Seq. No.	26155	Seq. ID	OJ990804_01.9C17.C47
Gene No.	54213	Strand	+
Start	1	End	2689
Name	OJ990804_01.9C17.C47.o1.gs	Method	GENSCAN
Start	50	End	1952
GI	none	Score	.75
Exons	50..136, 537..912, 1260..1305, 1703..1952		

Seq. No.	26155	Seq. ID	OJ990804_01.9C17.C47
Gene No.	54213	Strand	+
Start	1	End	2689
Name	OJ990804_01.9C17.C47.o1.tm	Method	TBLASTX:Maize

Start	509	End	1946
GI	none	Score	359
Exons	509..850, 537..1025, 1214..1303, 1701..1946		

Seq. No.	26155	Seq. ID	OJ990804_01.9C17.C47
Gene No.	54213	Strand	+
Start	1	End	2689
Name	OJ990804_01.9C17.C47.o1.tw	Method	TBLASTX:Wheat
Start	710	End	1016
GI	none	Score	203
Exons	710..916, 711..1016		

Seq. No.	26155	Seq. ID	OJ990804_01.9C17.C47
Gene No.	54213	Strand	+
Start	1	End	2689
Name	OJ990804_01.9C17.C47.o2.tc	Method	TBLASTX:Cress
Start	1220	End	1943
GI	none	Score	108
Exons	1220..1303, 1545..1595, 1670..1942, 1686..1943		

Seq. No.	26155	Seq. ID	OJ990804_01.9C17.C47
Gene No.	54213	Strand	+
Start	1	End	2689
Name	OJ990804_01.9C17.C47.o1.gp	Method	AAT/GAP
Start	1710	End	1941
GI	5038932	Score	437
Exons	1710..1941		
GI Descrip.	3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26156	Seq. ID	OJ990804_01.9C17.C48
Gene No.	54214	Strand	-
Start	262	End	329
Name	OJ990804_01.9C17.C48.o1.gp	Method	AAT/GAP
Start	262	End	329
GI	5038932	Score	86
Exons	262..329		
GI Descrip.	3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26157	Seq. ID	OJ990804_01.9C17.C50
Gene No.	54215	Strand	+
Start	1	End	749
Name	OJ990804_01.9C17.C50.o1.np	Method	AAT/NAP
Start	1	End	749
GI	6630696	Score	1257
Exons	1..749		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	26157	Seq. ID	OJ990804_01.9C17.C50
Gene No.	54215	Strand	+
Start	1	End	749
Name	OJ990804_01.9C17.C50.o2.tw	Method	TBLASTX:Wheat
Start	18	End	273
GI	none	Score	47

Exons	18..56, 57..269, 58..273		
Seq. No.	26157	Seq. ID	OJ990804_01.9C17.C50
Gene No.	54215	Strand	+
Start	1	End	749
Name	OJ990804_01.9C17.C50.o1.gs	Method	GENSCAN
Start	31	End	712
GI	none	Score	.57
Exons	31..712		
Seq. No.	26157	Seq. ID	OJ990804_01.9C17.C50
Gene No.	54215	Strand	+
Start	1	End	749
Name	OJ990804_01.9C17.C50.o1.ts	Method	TBLASTX:Soybean
Start	193	End	657
GI	5509260	Score	380
Exons	193..657, 288..449, 480..512		
GI Descrip.	-		
Seq. No.	26157	Seq. ID	OJ990804_01.9C17.C50
Gene No.	54215	Strand	+
Start	1	End	749
Name	OJ990804_01.9C17.C50.o1.tc	Method	TBLASTX:Cress
Start	286	End	546
GI	none	Score	291
Exons	286..546, 288..458		
Seq. No.	26157	Seq. ID	OJ990804_01.9C17.C50
Gene No.	54215	Strand	+
Start	1	End	749
Name	OJ990804_01.9C17.C50.o1.tm	Method	TBLASTX:Maize
Start	327	End	747
GI	none	Score	328
Exons	327..458, 328..747, 463..543, 579..689		
Seq. No.	26157	Seq. ID	OJ990804_01.9C17.C50
Gene No.	54215	Strand	+
Start	1	End	749
Name	OJ990804_01.9C17.C50.o1.tw	Method	TBLASTX:Wheat
Start	328	End	747
GI	none	Score	308
Exons	328..672, 345..512, 667..747		
Seq. No.	26158	Seq. ID	OJ990804_01.9C17.C51
Gene No.	54216	Strand	+
Start	1	End	2342
Name	OJ990804_01.9C17.C51.o1.np	Method	AAT/NAP
Start	1	End	2342
GI	3355308	Score	705
Exons	1..70, 920..1537, 1839..2342		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		
Seq. No.	26158	Seq. ID	OJ990804_01.9C17.C51
Gene No.	54216	Strand	+
Start	1	End	2342
Name	OJ990804_01.9C17.C51.o1.gs	Method	GENSCAN
Start	844	End	2297

GI	none	Score	.98
Exons	844..1537, 1839..2297		

Seq. No.	26158	Seq. ID	OJ990804_01.9C17.C51
Gene No.	54216	Strand	+
Start	1	End	2342
Name	OJ990804_01.9C17.C51.o1.ts	Method	TBLASTX:Soybean
Start	926	End	2003
GI	none	Score	53
Exons	926..994, 1004..1096, 1030..1095, 1162..1296, 1169..1315, 1345..1533, 1346..1537, 1826..1951, 1827..2003		

Seq. No.	26158	Seq. ID	OJ990804_01.9C17.C51
Gene No.	54216	Strand	+
Start	1	End	2342
Name	OJ990804_01.9C17.C51.o1.tm	Method	TBLASTX:Maize
Start	956	End	2195
GI	none	Score	121
Exons	956..1105, 1009..1125, 1072..1296, 1112..1312, 1334..1537, 1348..1536, 1826..1975, 1827..2195		

Seq. No.	26158	Seq. ID	OJ990804_01.9C17.C51
Gene No.	54216	Strand	+
Start	1	End	2342
Name	OJ990804_01.9C17.C51.o1.tc	Method	TBLASTX:Cress
Start	994	End	2174
GI	none	Score	113
Exons	994..1113, 1004..1096, 1114..1296, 1115..1315, 1328..1537, 1345..1536, 1811..1969, 1827..2174, 2006..2161		

Seq. No.	26158	Seq. ID	OJ990804_01.9C17.C51
Gene No.	54216	Strand	+
Start	1	End	2342
Name	OJ990804_01.9C17.C51.o1.tw	Method	TBLASTX:Wheat
Start	1019	End	1387
GI	none	Score	95
Exons	1019..1096, 1111..1302, 1112..1312, 1322..1387		

Seq. No.	26159	Seq. ID	OJ990804_01.9C17.C52
Gene No.	54217	Strand	+
Start	1	End	1802
Name	OJ990804_01.9C17.C52.o1.np	Method	AAT/NAP
Start	1	End	1802
GI	5091513	Score	228
Exons	1..60, 1587..1802		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	26159	Seq. ID	OJ990804_01.9C17.C52
Gene No.	54217	Strand	+
Start	1	End	1802
Name	OJ990804_01.9C17.C52.o1.gs	Method	GENSCAN
Start	219	End	643
GI	none	Score	.47
Exons	219..283, 505..643		

Seq. No.	26159	Seq. ID	OJ990804_01.9C17.C52
Gene No.	54218	Strand	-

Start	1665	End	1835
Name	OJ990804_01.9C17.C52.o2.gs	Method	GENSCAN
Start	1665	End	1835
GI	none	Score	.6
Exons	1665..1835		

Seq. No.	26160	Seq. ID	OJ990804_01.9C17.C53
Gene No.	54219	Strand	+
Start	1	End	1859
Name	OJ990804_01.9C17.C53.o1.np	Method	AAT/NAP
Start	1	End	1859
GI	5091513	Score	559
Exons	1..1060, 1549..1859		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	26160	Seq. ID	OJ990804_01.9C17.C53
Gene No.	54220	Strand	-
Start	1674	End	1952
Name	OJ990804_01.9C17.C53.o2.gs	Method	GENSCAN
Start	1674	End	1952
GI	none	Score	.62
Exons	1674..1777, 1898..1952		

Seq. No.	26161	Seq. ID	OJ990804_01.9C17.C54
Gene No.	54221	Strand	+
Start	180	End	260
Name	OJ990804_01.9C17.C54.o1.gs	Method	GENSCAN
Start	180	End	260
GI	none	Score	.4
Exons	180..260		

Seq. No.	26162	Seq. ID	OJ990804_01.9C17.C55
Gene No.	54222	Strand	+
Start	928	End	1727
Name	OJ990804_01.9C17.C55.o1.gs	Method	GENSCAN
Start	928	End	1529
GI	none	Score	.68
Exons	928..1068, 1117..1281, 1387..1529		

Seq. No.	26162	Seq. ID	OJ990804_01.9C17.C55
Gene No.	54222	Strand	+
Start	928	End	1727
Name	OJ990804_01.9C17.C55.o1.np	Method	AAT/NAP
Start	928	End	1727
GI	6069646	Score	451
Exons	928..1727		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26162	Seq. ID	OJ990804_01.9C17.C55
Gene No.	54223	Strand	-
Start	1822	End	1983
Name	OJ990804_01.9C17.C55.o1.tm	Method	TBLASTX:Maize
Start	1152	End	1484

GI	none	Score	260
Exons	1152..1484, 1199..1441, 1203..1442		

Seq. No.	26162	Seq. ID	OJ990804_01.9C17.C55
Gene No.	54223	Strand	-
Start	1822	End	1983
Name	OJ990804_01.9C17.C55.o1.tw	Method	TBLASTX:Wheat
Start	1239	End	1541
GI	none	Score	174
Exons	1239..1442, 1265..1438, 1482..1541		

Seq. No.	26162	Seq. ID	OJ990804_01.9C17.C55
Gene No.	54223	Strand	-
Start	1822	End	1983
Name	OJ990804_01.9C17.C55.o2.gs	Method	GENSCAN
Start	1822	End	1983
GI	none	Score	.91
Exons	1822..1983		

Seq. No.	26163	Seq. ID	OJ990804_01.9C17.C56
Gene No.	54224	Strand	-
Start	877	End	2683
Name	OJ990804_01.9C17.C56.o1.np	Method	AAT/NAP
Start	554	End	2683
GI	2258319	Score	56
Exons	554..642, 948..1163, 1325..1505, 2587..2683		
GI Descrip.	(AF004880) resistance complex protein I2C-3 [Lycopersicon esculentum]		

Seq. No.	26163	Seq. ID	OJ990804_01.9C17.C56
Gene No.	54224	Strand	-
Start	877	End	2683
Name	OJ990804_01.9C17.C56.o1.gs	Method	GENSCAN
Start	877	End	1814
GI	none	Score	.59
Exons	877..1113, 1242..1413, 1720..1814		

Seq. No.	26163	Seq. ID	OJ990804_01.9C17.C56
Gene No.	54224	Strand	-
Start	877	End	2683
Name	OJ990804_01.9C17.C56.o1.gp	Method	AAT/GAP
Start	1299	End	1680
GI	LIB3434-043-P1-K1-D5	Score	478
Exons	1299..1680		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	26163	Seq. ID	OJ990804_01.9C17.C56
Gene No.	54224	Strand	-
Start	877	End	2683
Name	OJ990804_01.9C17.C56.o2.gp	Method	AAT/GAP
Start	2361	End	2683
GI	63917_1.R1084	Score	601
Exons	2361..2683		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	26164	Seq. ID	OJ990804_01.9C17.C57
Gene No.	54225	Strand	-
Start	1	End	3151
Name	OJ990804_01.9C17.C57.o2.np	Method	AAT/NAP
Start	1	End	3151
GI	2943742	Score	833
Exons	1..43, 548..3151		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	26164	Seq. ID	OJ990804_01.9C17.C57
Gene No.	54225	Strand	-
Start	1	End	3151
Name	OJ990804_01.9C17.C57.o1.np	Method	AAT/NAP
Start	1202	End	2386
GI	2792210	Score	722
Exons	1202..2386		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	26164	Seq. ID	OJ990804_01.9C17.C57
Gene No.	54225	Strand	-
Start	1	End	3151
Name	OJ990804_01.9C17.C57.o1.ts	Method	TBLASTX:Soybean
Start	1265	End	1729
GI	none	Score	80
Exons	1265..1339, 1364..1729, 1512..1727		

Seq. No.	26164	Seq. ID	OJ990804_01.9C17.C57
Gene No.	54225	Strand	-
Start	1	End	3151
Name	OJ990804_01.9C17.C57.o1.tm	Method	TBLASTX:Maize
Start	1295	End	1756
GI	none	Score	130
Exons	1295..1339, 1373..1423, 1436..1756, 1458..1745		

Seq. No.	26164	Seq. ID	OJ990804_01.9C17.C57
Gene No.	54225	Strand	-
Start	1	End	3151
Name	OJ990804_01.9C17.C57.o2.tm	Method	TBLASTX:Maize
Start	1880	End	2222
GI	none	Score	89
Exons	1880..2038, 1881..2018, 2069..2170, 2070..2168, 2166..2222		

Seq. No.	26165	Seq. ID	OJ990804_01.9C17.C58
Gene No.	54226	Strand	+
Start	164	End	876
Name	OJ990804_01.9C17.C58.o1.gs	Method	GENSCAN
Start	164	End	876
GI	none	Score	.53
Exons	164..244, 668..876		

Seq. No.	26166	Seq. ID	OJ990804_01.9C17.C60
Gene No.	54227	Strand	+
Start	1	End	1583
Name	OJ990804_01.9C17.C60.o1.np	Method	AAT/NAP
Start	1	End	1580
GI	6006375	Score	1687
Exons	1..769, 1042..1580		

GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		
Seq. No.	26166	Seq. ID	OJ990804_01.9C17.C60
Gene No.	54227	Strand	+
Start	1	End	1583
Name	OJ990804_01.9C17.C60.o1.gs	Method	GENSCAN
Start	567	End	1583
GI	none	Score	.53
Exons	567..769, 1431..1583		
Seq. No.	26167	Seq. ID	OJ990914_03.9C23.C1
Gene No.	54228	Strand	-
Start	235	End	1941
Name	OJ990914_03.9C23.C1.o1.np	Method	AAT/NAP
Start	235	End	1941
GI	5669636	Score	133
Exons	235..452, 1905..1941		
GI Descrip.	(AF096247) ethylene-responsive elongation factor EF-Ts precursor [Lycopersicon esculentum]		
Seq. No.	26167	Seq. ID	OJ990914_03.9C23.C1
Gene No.	54228	Strand	-
Start	235	End	1941
Name	OJ990914_03.9C23.C1.o1.tc	Method	TBLASTX:Cress
Start	250	End	453
GI	none	Score	201
Exons	250..453		
Seq. No.	26167	Seq. ID	OJ990914_03.9C23.C1
Gene No.	54228	Strand	-
Start	235	End	1941
Name	OJ990914_03.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	250	End	454
GI	none	Score	164
Exons	250..453, 257..454, 269..454		
Seq. No.	26167	Seq. ID	OJ990914_03.9C23.C1
Gene No.	54228	Strand	-
Start	235	End	1941
Name	OJ990914_03.9C23.C1.o1.tw	Method	TBLASTX:Wheat
Start	250	End	467
GI	none	Score	197
Exons	250..453, 268..450, 269..454, 270..467		
Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54229	Strand	+
Start	3566	End	3666
Name	OJ990914_03.9C23.C2.o2.np	Method	AAT/NAP
Start	3566	End	3666
GI	5777617	Score	78
Exons	3566..3666		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54230	Strand	+
Start	4456	End	8229

Name	OJ990914_03.9C23.C2.o3.np	Method	AAT/NAP
Start	4456	End	6500
GI	5852093	Score	51
Exons	4456..4564, 4858..4927, 6382..6500		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54230	Strand	+
Start	4456	End	8229
Name	OJ990914_03.9C23.C2.o4.np	Method	AAT/NAP
Start	5002	End	8229
GI	5852093	Score	54
Exons	5002..5087, 6379..6500, 8197..8229		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54231	Strand	+
Start	11334	End	11579
Name	OJ990914_03.9C23.C2.o5.np	Method	AAT/NAP
Start	11334	End	11579
GI	1084404	Score	110
Exons	11334..11579		
GI Descrip.	hypothetical protein - tomato gi|667069 (L22186) ORF [Lycopersicon esculentum]		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54232	Strand	-
Start	831	End	3479
Name	OJ990914_03.9C23.C2.o1.np	Method	AAT/NAP
Start	831	End	3479
GI	5042169	Score	1881
Exons	831..3140, 3312..3479		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54233	Strand	-
Start	8673	End	10832
Name	OJ990914_03.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	819	End	3056
GI	none	Score	179
Exons	819..1679, 940..1635, 1311..1385, 1359..1679, 1363..1587, 1395..1775, 1584..1859, 1662..1982, 1744..1866, 1887..2288, 1950..2285, 2001..2387, 2050..2289, 2053..2223, 2190..2534, 2292..2684, 2292..2600, 2353..2610, 2514..3056, 2595..2867, 2595..2858, 2892..3038		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54233	Strand	-
Start	8673	End	10832
Name	OJ990914_03.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	852	End	1371
GI	none	Score	85
Exons	852..1367, 873..1055, 1282..1371		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54233	Strand	-
Start	8673	End	10832

Name	OJ990914_03.9C23.C2.o1.tc	Method	TBLASTX:Cress
Start	861	End	2114
GI	none	Score	125
Exons	861..1460, 916..1368, 1953..2114		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54233	Strand	-
Start	8673	End	10832
Name	OJ990914_03.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	1248	End	2907
GI	none	Score	79
Exons	1248..1442, 1251..1730, 1489..1554, 1638..2024, 1923..2327, 2214..2639, 2586..2891, 2620..2907		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54233	Strand	-
Start	8673	End	10832
Name	OJ990914_03.9C23.C2.o3.ts	Method	TBLASTX:Soybean
Start	1458	End	3038
GI	none	Score	71
Exons	1458..1838, 1525..1680, 1737..2141, 2029..2415, 2034..2441, 2247..2417, 2367..2525, 2410..2679, 2577..2747, 2649..2891, 2722..2898, 2922..3038		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54233	Strand	-
Start	8673	End	10832
Name	OJ990914_03.9C23.C2.o2.tc	Method	TBLASTX:Cress
Start	1461	End	3059
GI	none	Score	100
Exons	1461..1829, 1462..1815, 1464..1676, 1689..1916, 1698..1931, 1698..1931, 1756..1887, 2115..2435, 2133..2288, 2298..2732, 2340..2525, 2356..2586, 2599..2892, 2607..2891, 2658..3053, 2664..2825, 2822..2890, 2826..3056, 2910..3059, 2922..3056		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54233	Strand	-
Start	8673	End	10832
Name	OJ990914_03.9C23.C2.o2.gs	Method	GENSCAN
Start	8673	End	10832
GI	none	Score	.43
Exons	8673..8710, 8973..9071, 10103..10287, 10777..10832		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54234	Strand	
Start	11955	End	12615
Name	OJ990914_03.9C23.C2.o2.ts	Method	TBLASTX:Soybean
Start	11955	End	12279
GI	none	Score	277
Exons	11955..12275, 11956..12279		

Seq. No.	26168	Seq. ID	OJ990914_03.9C23.C2
Gene No.	54234	Strand	
Start	11955	End	12615
Name	OJ990914_03.9C23.C2.o2.tm	Method	TBLASTX:Maize
Start	11998	End	12615
GI	none	Score	201

Exons	11998..12279, 12034..12303, 12334..12615		
Seq. No.	26169	Seq. ID	OJ990914_03.9C23.C3
Gene No.	54235	Strand	+
Start	1462	End	1767
Name	OJ990914_03.9C23.C3.o1.gs	Method	GENSCAN
Start	1462	End	1767
GI	none	Score	.73
Exons	1462..1767		
Seq. No.	26169	Seq. ID	OJ990914_03.9C23.C3
Gene No.	54236	Strand	-
Start	978	End	1107
Name	OJ990914_03.9C23.C3.o1.gp	Method	AAT/GAP
Start	978	End	1107
GI	uC-osflcyp013a06b1	Score	167
Exons	978..1107		
GI Descrip.	'4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]'		
Seq. No.	26170	Seq. ID	OJ990914_03.9C23.C4
Gene No.	54237	Strand	+
Start	429	End	5239
Name	OJ990914_03.9C23.C4.o1.gs	Method	GENSCAN
Start	429	End	3518
GI	none	Score	.44
Exons	429..498, 614..712, 794..862, 946..1115, 1194..1284, 1474..1628, 1711..1841, 3011..3518		
Seq. No.	26170	Seq. ID	OJ990914_03.9C23.C4
Gene No.	54237	Strand	+
Start	429	End	5239
Name	OJ990914_03.9C23.C4.o1.np	Method	AAT/NAP
Start	1836	End	5095
GI	4680341	Score	247
Exons	1836..1867, 4426..5095		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		
Seq. No.	26170	Seq. ID	OJ990914_03.9C23.C4
Gene No.	54237	Strand	+
Start	429	End	5239
Name	OJ990914_03.9C23.C4.o2.gs	Method	GENSCAN
Start	3980	End	5239
GI	none	Score	.95
Exons	3980..5239		
Seq. No.	26170	Seq. ID	OJ990914_03.9C23.C4
Gene No.	54237	Strand	+
Start	429	End	5239
Name	OJ990914_03.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	4508	End	4990
GI	none	Score	103
Exons	4508..4648, 4718..4774, 4817..4990		
Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186

Name	OJ990914_03.9C23.C5.o7.tm	Method	TBLASTX:Maize
Start	605	End	849
GI	none	Score	41
Exons	605..667, 637..849, 728..817		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o1.gs	Method	GENSCAN
Start	610	End	5183
GI	none	Score	.96
Exons	610..1858, 1939..5183		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o1.np	Method	AAT/NAP
Start	613	End	5186
GI	4680179	Score	6602
Exons	613..5186		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o6.tw	Method	TBLASTX:Wheat
Start	658	End	991
GI	none	Score	109
Exons	658..990, 722..991		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	850	End	1437
GI	none	Score	148
Exons	850..1119, 851..1111, 866..1162, 1180..1278, 1181..1276, 1210..1278, 1276..1437, 1283..1429, 1285..1431		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	991	End	1617
GI	none	Score	349
Exons	991..1617, 992..1561		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	1486	End	1778
GI	none	Score	161
Exons	1486..1776, 1490..1675, 1495..1707, 1587..1778		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-

Start	610	End	5186
Name	OJ990914_03.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	1576	End	1836
GI	none	Score	54
Exons	1576..1644, 1576..1836, 1730..1831		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	1600	End	1938
GI	none	Score	64
Exons	1600..1743, 1601..1678, 1744..1938		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o3.tw	Method	TBLASTX:Wheat
Start	1624	End	2102
GI	none	Score	177
Exons	1624..1917, 1625..1918, 1911..2102, 1923..2084		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o2.tw	Method	TBLASTX:Wheat
Start	2106	End	2615
GI	none	Score	293
Exons	2106..2615, 2197..2583		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	2190	End	2543
GI	none	Score	155
Exons	2190..2543, 2205..2501, 2365..2541		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o3.ts	Method	TBLASTX:Soybean
Start	2364	End	2606
GI	none	Score	197
Exons	2364..2606		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o4.tm	Method	TBLASTX:Maize
Start	2580	End	3080
GI	none	Score	158
Exons	2580..2915, 2901..3080		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186

Name	OJ990914_03.9C23.C5.o5.tw	Method	TBLASTX:Wheat
Start	2616	End	2918
GI	none	Score	201
Exons	2616..2918, 2617..2880		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	2631	End	3026
GI	none	Score	126
Exons	2631..2990, 2632..2874, 2849..2983, 2913..2987, 2994..3026, 2994..3026		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o4.tw	Method	TBLASTX:Wheat
Start	2967	End	3453
GI	none	Score	208
Exons	2967..3449, 3009..3449, 3010..3453		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o5.tm	Method	TBLASTX:Maize
Start	3148	End	3440
GI	none	Score	152
Exons	3148..3339, 3150..3440, 3367..3438		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o8.tw	Method	TBLASTX:Wheat
Start	3624	End	3978
GI	none	Score	79
Exons	3624..3977, 3660..3794, 3883..3978		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o6.tm	Method	TBLASTX:Maize
Start	3711	End	4031
GI	none	Score	209
Exons	3711..4031		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186
Name	OJ990914_03.9C23.C5.o8.tm	Method	TBLASTX:Maize
Start	4377	End	4673
GI	none	Score	110
Exons	4377..4673, 4486..4656		

Seq. No.	26171	Seq. ID	OJ990914_03.9C23.C5
Gene No.	54238	Strand	-
Start	610	End	5186

Name	OJ990914_03.9C23.C5.o7.tw	Method	TBLASTX:Wheat
Start	4554	End	4917
GI	none	Score	79
Exons	4554..4913, 4555..4788, 4813..4917		

Seq. No.	26172	Seq. ID	OJ990914_03.9C23.C8
Gene No.	54239	Strand	+
Start	477	End	6413
Name	OJ990914_03.9C23.C8.o1.gs	Method	GENSCAN
Start	477	End	6413
GI	none	Score	.66
Exons	477..533, 890..942, 1537..1999, 3019..3066, 3538..3609, 5148..5328, 5419..5465, 5670..5693, 6219..6413		

Seq. No.	26172	Seq. ID	OJ990914_03.9C23.C8
Gene No.	54240	Strand	+
Start	11701	End	12192
Name	OJ990914_03.9C23.C8.o3.gs	Method	GENSCAN
Start	11701	End	12192
GI	none	Score	.72
Exons	11701..11739, 11750..12016, 12052..12192		

Seq. No.	26172	Seq. ID	OJ990914_03.9C23.C8
Gene No.	54241	Strand	+
Start	13095	End	15558
Name	OJ990914_03.9C23.C8.o1.np	Method	AAT/NAP
Start	12704	End	15558
GI	1351904	Score	1169
Exons	12704..12801, 13056..13115, 13574..13644, 14065..14439, 14657..14745, 15247..15558		
GI Descrip.	BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE 1, CHLOROPLAST PRECURSOR (AK-HD 1) (AK-HSDH 1) [INCLUDES: ASPARTOKINASE ; HOMOSERINE DEHYDROGENASE] gi|500851 (L33912) aspartate kinase-homoserine dehydrogenase [Zea mays]		

Seq. No.	26172	Seq. ID	OJ990914_03.9C23.C8
Gene No.	54241	Strand	+
Start	13095	End	15558
Name	OJ990914_03.9C23.C8.o4.gs	Method	GENSCAN
Start	13095	End	15550
GI	none	Score	.74
Exons	13095..13189, 13577..13641, 14065..14439, 14657..14745, 15247..15550		

Seq. No.	26172	Seq. ID	OJ990914_03.9C23.C8
Gene No.	54242	Strand	-
Start	7417	End	10065
Name	OJ990914_03.9C23.C8.o2.gs	Method	GENSCAN
Start	7417	End	10065
GI	none	Score	.7
Exons	7417..7571, 8644..8830, 8984..9147, 9403..9487, 9958..10065		

Seq. No.	26172	Seq. ID	OJ990914_03.9C23.C8
Gene No.	54243	Strand	
Start	13575	End	15616
Name	OJ990914_03.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	13575	End	15566

GI	none	Score	69
Exons	13575..13649, 13576..13656, 14063..14431, 14085..14441, 14093..14437, 14100..14438, 14644..14745, 14654..14743, 14655..14744, 15242..15370, 15244..15549, 15244..15549, 15246..15566		

Seq. No.	26172	Seq. ID	OJ990914_03.9C23.C8
Gene No.	54243	Strand	
Start	13575	End	15616
Name	OJ990914_03.9C23.C8.o1.ts	Method	TBLASTX:Soybean
Start	14100	End	15616
GI	none	Score	440
Exons	14100..14438, 14102..14437, 14106..14441, 14272..14442, 14644..14745, 14654..14728, 14655..14744, 15244..15360, 15249..15359, 15259..15369, 15354..15476, 15373..15477, 15548..15616		

Seq. No.	26173	Seq. ID	OJ990914_03.9C23.C9
Gene No.	54244	Strand	+
Start	686	End	4888
Name	OJ990914_03.9C23.C9.o1.np	Method	AAT/NAP
Start	686	End	4888
GI	1351904	Score	1225
Exons	686..740, 1051..1256, 1535..1622, 1696..1809, 2799..2897, 2984..3178, 4078..4160, 4802..4888		
GI Descrip.	BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE 1, CHLOROPLAST PRECURSOR (AK-HD 1) (AK-HSDH 1) [INCLUDES: ASPARTOKINASE ; HOMOSERINE DEHYDROGENASE] gi|500851 (L33912) aspartate kinase-homoserine dehydrogenase [Zea mays]		

Seq. No.	26173	Seq. ID	OJ990914_03.9C23.C9
Gene No.	54244	Strand	+
Start	686	End	4888
Name	OJ990914_03.9C23.C9.o1.gs	Method	GENSCAN
Start	1159	End	4173
GI	none	Score	.85
Exons	1159..1256, 1535..1622, 1687..1809, 2799..2897, 2984..3178, 4078..4173		

Seq. No.	26173	Seq. ID	OJ990914_03.9C23.C9
Gene No.	54244	Strand	+
Start	686	End	4888
Name	OJ990914_03.9C23.C9.o1.gp	Method	AAT/GAP
Start	2798	End	3180
GI	13483_1.R1084	Score	480
Exons	2798..2897, 2984..3180		
GI Descrip.	'1351904/sp|P49079|AKH1_MAIZE 3.0e-39 BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE 1, CHLOROPLAST PRECURSOR (AK-HD 1) (AK-HSDH 1) [INCLUDES: ASPARTOKINASE ; HOMOSERINE DEHYDROGENASE] >gi_500851 (L33912) aspartate kinase-homoserine dehydrogenase [Zea mays]'		

Seq. No.	26173	Seq. ID	OJ990914_03.9C23.C9
Gene No.	54245	Strand	+
Start	4802	End	4888
Name	OJ990914_03.9C23.C9.o1.tm	Method	TBLASTX:Maize
Start	686	End	4886

GI	none	Score	88
Exons	686..739, 687..740, 1041..1151, 1049..1153, 1050..1151, 1051..1152, 1141..1257, 1143..1256, 1144..1257, 1532..1624, 1535..1633, 1536..1631, 1692..1811, 1693..1812, 1693..1812, 2793..2888, 2796..2897, 2798..2899, 2798..2893, 2981..3178, 2983..3180, 2983..3177, 4075..4158, 4075..4158, 4077..4166, 4803..4886, 4803..4883		

Seq. No.	26173	Seq. ID	OJ990914_03.9C23.C9
Gene No.	54245	Strand	+
Start	4802	End	4888
Name	OJ990914_03.9C23.C9.o2.ts	Method	TBLASTX:Soybean
Start	687	End	1896
GI	none	Score	84
Exons	687..740, 1041..1169, 1050..1178, 1051..1194, 1051..1200, 1182..1256, 1183..1257, 1535..1624, 1535..1618, 1536..1631, 1692..1742, 1693..1797, 1695..1796, 1849..1896		

Seq. No.	26173	Seq. ID	OJ990914_03.9C23.C9
Gene No.	54245	Strand	+
Start	4802	End	4888
Name	OJ990914_03.9C23.C9.o1.tc	Method	TBLASTX:Cress
Start	1087	End	3040
GI	none	Score	141
Exons	1087..1185, 1089..1184, 1180..1323, 1207..1257, 1534..1632, 1535..1633, 1536..1631, 1692..1796, 1693..1812, 2792..2887, 2792..2902, 2796..2894, 2980..3039, 2984..3040		

Seq. No.	26173	Seq. ID	OJ990914_03.9C23.C9
Gene No.	54245	Strand	+
Start	4802	End	4888
Name	OJ990914_03.9C23.C9.o1.ts	Method	TBLASTX:Soybean
Start	2852	End	4883
GI	none	Score	63
Exons	2852..2902, 2853..2897, 2981..3178, 2983..3186, 2983..3177, 4075..4158, 4803..4883		

Seq. No.	26173	Seq. ID	OJ990914_03.9C23.C9
Gene No.	54245	Strand	+
Start	4802	End	4888
Name	OJ990914_03.9C23.C9.o1.tw	Method	TBLASTX:Wheat
Start	2852	End	4862
GI	none	Score	66
Exons	2852..2896, 2853..2897, 2854..2901, 2855..2899, 2980..3180, 2981..3181, 4075..4167, 4075..4161, 4080..4175, 4803..4862, 4803..4862		

Seq. No.	26173	Seq. ID	OJ990914_03.9C23.C9
Gene No.	54245	Strand	+
Start	4802	End	4888
Name	OJ990914_03.9C23.C9.o3.gp	Method	AAT/GAP
Start	4802	End	4888
GI	13483_1.R1084	Score	174
Exons	4802..4888		
GI Descrip.	'1351904/sp|P49079|AKH1_MAIZE 3.0e-39 BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE 1, CHLOROPLAST PRECURSOR (AK-HD 1) (AK-HSDH 1) [INCLUDES: ASPARTOKINASE ; HOMOSERINE		

DEHYDROGENASE] >gi_500851 (L33912) aspartate kinase-homoserine dehydrogenase [Zea mays]'

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54246	Strand	+
Start	1	End	6609
Name	OJ990914_03.9C23.C10.o1.np	Method	AAT/NAP
Start	1	End	2956
GI	1351904	Score	1269
Exons	1..25, 142..367, 638..783, 938..1073, 2133..2216, 2285..2377, 2715..2956		
GI Descrip.	BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE 1, CHLOROPLAST PRECURSOR (AK-HD 1) (AK-HSDH 1) [INCLUDES: ASPARTOKINASE ; HOMOSERINE DEHYDROGENASE] gi|500851 (L33912) aspartate kinase-homoserine dehydrogenase [Zea mays]		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54246	Strand	+
Start	1	End	6609
Name	OJ990914_03.9C23.C10.o1.gp	Method	AAT/GAP
Start	142	End	696
GI	13483_1.R1084	Score	523
Exons	142..367, 638..696		
GI Descrip.	'1351904/sp|P49079|AKH1_MAIZE 3.0e-39 BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE 1, CHLOROPLAST PRECURSOR (AK-HD 1) (AK-HSDH 1) [INCLUDES: ASPARTOKINASE ; HOMOSERINE DEHYDROGENASE] >gi_500851 (L33912) aspartate kinase-homoserine dehydrogenase [Zea mays]'		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54246	Strand	+
Start	1	End	6609
Name	OJ990914_03.9C23.C10.o1.gs	Method	GENSCAN
Start	142	End	6609
GI	none	Score	.74
Exons	142..367, 638..783, 938..1073, 2285..2405, 2715..2893, 6340..6609		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54246	Strand	+
Start	1	End	6609
Name	OJ990914_03.9C23.C10.o3.gp	Method	AAT/GAP
Start	2136	End	2946
GI	2310826	Score	682
Exons	2136..2216, 2285..2377, 2715..2946		
GI Descrip.	1351904/sp|P49079|AKH1_MAIZE 3.0e-39 BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE 1, CHLOROPLAST PRECURSOR (AK-HD 1) (AK-HSDH 1) [INCLUDES: ASPARTOKINASE ; HOMOSERINE DEHYDROGENASE] >gi_500851 (L33912) aspartate kinase-homoserine dehydrogenase [Zea mays]		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54247	Strand	+
Start	6759	End	10986
Name	OJ990914_03.9C23.C10.o4.gp	Method	AAT/GAP
Start	6759	End	7711
GI	none	Score	924

Exons	6759..6840, 7268..7711		
Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54247	Strand	+
Start	6759	End	10986
Name	OJ990914_03.9C23.C10.o2.gs	Method	GENSCAN
Start	7342	End	10986
GI	none	Score	1
Exons	7342..10986		
Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54247	Strand	+
Start	6759	End	10986
Name	OJ990914_03.9C23.C10.o2.np	Method	AAT/NAP
Start	7346	End	10983
GI	3953479	Score	2988
Exons	7346..7733, 7887..10983		
GI Descrip.	(AC002328) F22O2.24 [Arabidopsis thaliana]		
Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o2.tm	Method	TBLASTX:Maize
Start	138	End	2965
GI	none	Score	372
Exons	138..242, 143..379, 143..364, 625..783, 626..781, 646..783, 906..1073, 934..1074, 936..1082, 953..1075, 1018..1092, 2130..2216, 2130..2213, 2132..2215, 2279..2398, 2284..2328, 2300..2404, 2709..2756, 2713..2787, 2756..2905, 2757..2873, 2779..2904, 2813..2905, 2905..2958, 2906..2965		
Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o2.ts	Method	TBLASTX:Soybean
Start	142	End	2965
GI	none	Score	278
Exons	142..363, 143..379, 188..367, 625..783, 626..781, 630..791, 936..1082, 938..1096, 953..1075, 1024..1092, 2130..2216, 2132..2212, 2279..2398, 2297..2404, 2714..2740, 2715..2756, 2752..2856, 2756..2965, 2770..2958		
Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o3.tc	Method	TBLASTX:Cress
Start	936	End	2962
GI	none	Score	206
Exons	936..1082, 956..1075, 2130..2216, 2132..2212, 2279..2398, 2281..2322, 2714..2746, 2715..2756, 2747..2833, 2776..2832, 2824..2955, 2825..2962		
Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o4.tw	Method	TBLASTX:Wheat
Start	2845	End	2959

GI	none	Score	182
Exons	2845..2958, 2846..2959, 2846..2959		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o2.tc	Method	TBLASTX:Cress
Start	7741	End	10908
GI	none	Score	52
Exons	7741..7797, 7921..8007, 8158..8211, 8164..8211, 8255..8272, 8277..8366, 8278..8373, 8278..8373, 8287..8403, 8338..8394, 8392..8514, 8395..8532, 8395..8529, 8398..8532, 8398..8517, 8398..8514, 8398..8541, 8413..8514, 8416..8517, 8596..8673, 8596..8673, 8660..8701, 8674..8895, 8725..8832, 8725..8823, 8725..8898, 8725..8895, 8725..8901, 8728..8895, 8728..8913, 8734..8895, 8755..8823, 8773..8901, 8872..8937, 8911..9045, 8911..9186, 8917..9195, 8917..9186, 8917..9063, 8917..9213, 8920..9213, 8923..9126, 8923..9183, 8923..9186, 8929..9195, 8992..9186, 9004..9213, 9067..9195, 9360..9668, 9363..9536, 9373..9678, 9376..9474, 9376..9678, 9376..9531, 9376..9531, 9406..9624, 9409..9753, 9412..9684, 9412..9678, 9423..9542, 9423..9539, 9424..9606, 9424..9690, 9424..9678, 9424..9678, 9424..9678, 9424..9678, 9516..9677, 9565..9678, 9588..9677, 9630..9752, 9631..9771, 10555..10692, 10572..10691, 10759..10908		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o3.tw	Method	TBLASTX:Wheat
Start	7939	End	9759
GI	none	Score	58
Exons	7939..8007, 8398..8514, 8413..8532, 8668..8895, 8776..8895, 8911..9114, 8923..9048, 8995..9198, 9421..9612, 9424..9729, 9709..9759		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o3.tm	Method	TBLASTX:Maize
Start	8170	End	9819
GI	none	Score	58
Exons	8170..8211, 8170..8214, 8215..8286, 8227..8280, 8287..8394, 8290..8514, 8398..8532, 8404..8514, 8413..8598, 8599..8895, 8599..8673, 8674..8832, 8728..9114, 8920..9246, 8923..9276, 8956..9195, 9076..9216, 9097..9195, 9270..9341, 9361..9534, 9424..9678, 9424..9618, 9445..9678, 9496..9819, 9496..9678, 9565..9678		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o3.ts	Method	TBLASTX:Soybean
Start	8278	End	9741
GI	none	Score	64
Exons	8278..8394, 8278..8415, 8284..8400, 8395..8514, 8398..8517, 8404..8514, 8413..8514, 8725..8895, 8725..8904, 8725..8901, 8728..8895, 8752..8823, 8776..8895, 8911..9045, 8911..9195,		

8911..9276, 8917..9276, 8920..9240, 8920..9201, 8923..9183, 8925..9059, 9058..9213, 9351..9605, 9376..9531, 9403..9678, 9409..9699, 9412..9684, 9412..9678, 9423..9542, 9424..9741, 9424..9684, 9424..9678, 9429..9545, 9438..9533, 9478..9678, 9496..9681, 9582..9680, 9594..9680, 9630..9704

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o1.ts	Method	TBLASTX:Soybean
Start	10009	End	10919
GI	none	Score	1056
Exons	10009..10782, 10014..10103, 10019..10339, 10164..10772, 10798..10917, 10804..10905, 10818..10919		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o4.tm	Method	TBLASTX:Maize
Start	10039	End	10182
GI	none	Score	197
Exons	10039..10182, 10055..10180		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o2.tw	Method	TBLASTX:Wheat
Start	10063	End	10344
GI	none	Score	219
Exons	10063..10344		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o1.tc	Method	TBLASTX:Cress
Start	10066	End	10523
GI	none	Score	607
Exons	10066..10521, 10087..10521, 10167..10523, 10362..10523		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o1.tm	Method	TBLASTX:Maize
Start	10182	End	10914
GI	none	Score	116
Exons	10182..10322, 10187..10492, 10188..10715, 10189..10716, 10707..10778, 10708..10782, 10797..10898, 10798..10914, 10813..10914		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o1.tw	Method	TBLASTX:Wheat
Start	10350	End	10689
GI	none	Score	200
Exons	10350..10532, 10363..10569, 10566..10685, 10567..10689		

Seq. No.	26174	Seq. ID	OJ990914_03.9C23.C10
Gene No.	54248	Strand	-
Start	10776	End	11347
Name	OJ990914_03.9C23.C10.o5.gp	Method	AAT/GAP
Start	10776	End	11347
GI	49934_1.R1084	Score	1100
Exons	10776..11347		
GI Descrip.	'3953479 2.0e-11 (AC002328) F22O2.24 [Arabidopsis thaliana]'		

Seq. No.	26175	Seq. ID	OJ990914_03.9C23.C11
Gene No.	54249	Strand	+
Start	6098	End	6244
Name	OJ990914_03.9C23.C11.o2.gs	Method	GENSCAN
Start	6098	End	6244
GI	none	Score	.84
Exons	6098..6244		

Seq. No.	26175	Seq. ID	OJ990914_03.9C23.C11
Gene No.	54250	Strand	+
Start	8032	End	21395
Name	OJ990914_03.9C23.C11.o3.gs	Method	GENSCAN
Start	8032	End	21395
GI	none	Score	.52
Exons	8032..8094, 8502..8666, 9816..9963, 10224..10390, 10777..10960, 10995..11030, 11074..11154, 11406..11551, 11956..12064, 15198..15356, 15448..15531, 15575..15764, 16140..16195, 17843..18084, 18163..18273, 20427..20628, 21070..21395		

Seq. No.	26175	Seq. ID	OJ990914_03.9C23.C11
Gene No.	54250	Strand	+
Start	8032	End	21395
Name	OJ990914_03.9C23.C11.o1.gp	Method	AAT/GAP
Start	17984	End	18474
GI	2311818	Score	479
Exons	17984..18084, 18163..18273, 18351..18474		

Seq. No.	26175	Seq. ID	OJ990914_03.9C23.C11
Gene No.	54250	Strand	+
Start	8032	End	21395
Name	OJ990914_03.9C23.C11.o3.gp	Method	AAT/GAP
Start	19347	End	19583
GI	57406_2.R1084	Score	368
Exons	19347..19583		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	26175	Seq. ID	OJ990914_03.9C23.C11
Gene No.	54251	Strand	-
Start	2784	End	3212
Name	OJ990914_03.9C23.C11.o1.np	Method	AAT/NAP
Start	2784	End	3212
GI	6006381	Score	377
Exons	2784..3212		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	26175	Seq. ID	OJ990914_03.9C23.C11

Gene No.	54252	Strand	-
Start	14686	End	18470
Name	OJ990914_03.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	10249	End	10721
GI	none	Score	132
Exons	10249..10371, 10250..10399, 10403..10495, 10425..10493, 10491..10529, 10493..10681, 10587..10721		

Seq. No.	26175	Seq. ID	OJ990914_03.9C23.C11
Gene No.	54252	Strand	-
Start	14686	End	18470
Name	OJ990914_03.9C23.C11.o2.np	Method	AAT/NAP
Start	14686	End	18470
GI	5295955	Score	730
Exons	14686..15258, 15298..15373, 15453..15757, 15801..15923, 16603..16717, 17260..17352, 18005..18222, 18251..18306, 18337..18470		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	26176	Seq. ID	OJ990914_03.9C23.C12
Gene No.	54253	Strand	-
Start	358	End	1497
Name	OJ990914_03.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	355	End	1497
GI	none	Score	344
Exons	355..738, 355..717, 356..736, 1076..1282, 1091..1255, 1351..1497, 1355..1468		

Seq. No.	26176	Seq. ID	OJ990914_03.9C23.C12
Gene No.	54253	Strand	-
Start	358	End	1497
Name	OJ990914_03.9C23.C12.o1.gs	Method	GENSCAN
Start	358	End	1467
GI	none	Score	.88
Exons	358..764, 1078..1282, 1354..1467		

Seq. No.	26177	Seq. ID	OJ990914_03.9C23.C13
Gene No.	54254	Strand	+
Start	769	End	864
Name	OJ990914_03.9C23.C13.o1.gp	Method	AAT/GAP
Start	769	End	864
GI	LIB3477-003-P1-K1-E9	Score	143
Exons	769..864		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	26177	Seq. ID	OJ990914_03.9C23.C13
Gene No.	54255	Strand	-
Start	619	End	708
Name	OJ990914_03.9C23.C13.o1.gs	Method	GENSCAN
Start	619	End	708
GI	none	Score	.69
Exons	619..708		

Seq. No.	26178	Seq. ID	OJ990914_03.9C23.C15

Gene No.	54256	Strand	+
Start	6078	End	10252
Name	OJ990914_03.9C23.C15.o1.np	Method	AAT/NAP
Start	6078	End	10252
GI	5042463	Score	365
Exons	6078..6106, 7705..7892, 8574..8731, 8778..8860, 10195..10252		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	26178	Seq. ID	OJ990914_03.9C23.C15
Gene No.	54257	Strand	-
Start	9764	End	10030
Name	OJ990914_03.9C23.C15.o2.gs	Method	GENSCAN
Start	9764	End	10030
GI	none	Score	.59
Exons	9764..9789, 9991..10030		

Seq. No.	26179	Seq. ID	OJ990914_03.9C23.C16
Gene No.	54258	Strand	+
Start	1	End	1881
Name	OJ990914_03.9C23.C16.o1.np	Method	AAT/NAP
Start	1	End	1881
GI	5852182	Score	156
Exons	1..35, 552..756, 1859..1881		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	26179	Seq. ID	OJ990914_03.9C23.C16
Gene No.	54258	Strand	+
Start	1	End	1881
Name	OJ990914_03.9C23.C16.o1.gs	Method	GENSCAN
Start	96	End	601
GI	none	Score	.68
Exons	96..125, 552..601		

Seq. No.	26179	Seq. ID	OJ990914_03.9C23.C16
Gene No.	54259	Strand	-
Start	2538	End	2647
Name	OJ990914_03.9C23.C16.o2.gs	Method	GENSCAN
Start	2538	End	2647
GI	none	Score	.59
Exons	2538..2647		

Seq. No.	26180	Seq. ID	OJ990914_03.9C23.C17
Gene No.	54260	Strand	+
Start	6668	End	9943
Name	OJ990914_03.9C23.C17.o2.gs	Method	GENSCAN
Start	6668	End	9943
GI	none	Score	.82
Exons	6668..6723, 8462..8536, 9434..9641, 9647..9943		

Seq. No.	26180	Seq. ID	OJ990914_03.9C23.C17
Gene No.	54261	Strand	+
Start	11842	End	13640
Name	OJ990914_03.9C23.C17.o1.np	Method	AAT/NAP
Start	11842	End	13640
GI	4914429	Score	352
Exons	11842..11883, 12802..13094, 13253..13352, 13622..13640		
GI Descrip.	(AL050351) SEC14-like protein [Arabidopsis thaliana]		

Seq. No.	26180	Seq. ID	OJ990914_03.9C23.C17
Gene No.	54261	Strand	+
Start	11842	End	13640
Name	OJ990914_03.9C23.C17.o4.gs	Method	GENSCAN
Start	12796	End	13352
GI	none	Score	.82
Exons	12796..13094, 13253..13352		

Seq. No.	26180	Seq. ID	OJ990914_03.9C23.C17
Gene No.	54262	Strand	-
Start	10537	End	12219
Name	OJ990914_03.9C23.C17.o3.gs	Method	GENSCAN
Start	10537	End	12219
GI	none	Score	.87
Exons	10537..10913, 10915..10983, 12156..12219		

Seq. No.	26180	Seq. ID	OJ990914_03.9C23.C17
Gene No.	54263	Strand	
Start	12775	End	12941
Name	OJ990914_03.9C23.C17.o1.tw	Method	TBLASTX:Wheat
Start	12775	End	12941
GI	none	Score	172
Exons	12775..12885, 12775..12882, 12779..12901, 12881..12931, 12885..12941		

Seq. No.	26181	Seq. ID	OJ990804_04.9C23.C1
Gene No.	54264	Strand	-
Start	328	End	387
Name	OJ990804_04.9C23.C1.o1.gs	Method	GENSCAN
Start	328	End	387
GI	none	Score	.76
Exons	328..387		

Seq. No.	26182	Seq. ID	OJ990804_04.9C23.C2
Gene No.	54265	Strand	+
Start	333	End	440
Name	OJ990804_04.9C23.C2.o1.gp	Method	AAT/GAP
Start	333	End	440
GI	LIB3477-003-P1-K1-E9	Score	123
Exons	333..440		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	26183	Seq. ID	OJ990804_04.9C23.C3
Gene No.	54266	Strand	+
Start	468	End	632
Name	OJ990804_04.9C23.C3.o1.gs	Method	GENSCAN
Start	468	End	632
GI	none	Score	.59
Exons	468..632		

Seq. No.	26184	Seq. ID	OJ990804_04.9C23.C4
Gene No.	54267	Strand	+
Start	3983	End	8079
Name	OJ990804_04.9C23.C4.o2.gs	Method	GENSCAN

Start	3983	End	7941
GI	none	Score	.82
Exons	3983..4152, 5008..5434, 5447..5800, 6304..6858, 7134..7358, 7710..7941		

Seq. No.	26184	Seq. ID	OJ990804_04.9C23.C4
Gene No.	54267	Strand	+
Start	3983	End	8079
Name	OJ990804_04.9C23.C4.o2.np	Method	AAT/NAP
Start	5930	End	8079
GI	4680199	Score	571
Exons	5930..6263, 6322..6955, 7377..7937, 8016..8079		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	26184	Seq. ID	OJ990804_04.9C23.C4
Gene No.	54268	Strand	-
Start	400	End	3360
Name	OJ990804_04.9C23.C4.o1.gs	Method	GENSCAN
Start	400	End	3360
GI	none	Score	.58
Exons	400..544, 627..703, 2094..2542, 2912..3043, 3333..3360		

Seq. No.	26184	Seq. ID	OJ990804_04.9C23.C4
Gene No.	54268	Strand	-
Start	400	End	3360
Name	OJ990804_04.9C23.C4.o1.np	Method	AAT/NAP
Start	403	End	2519
GI	4335768	Score	237
Exons	403..626, 2118..2519		
GI Descrip.	(AC006284) putative Golgi-associated membrane trafficking protein [Arabidopsis thaliana]		

Seq. No.	26184	Seq. ID	OJ990804_04.9C23.C4
Gene No.	54269	Strand	
Start	7512	End	8078
Name	OJ990804_04.9C23.C4.o1.tw	Method	TBLASTX:Wheat
Start	7512	End	7943
GI	none	Score	281
Exons	7512..7898, 7578..7943		

Seq. No.	26184	Seq. ID	OJ990804_04.9C23.C4
Gene No.	54269	Strand	
Start	7512	End	8078
Name	OJ990804_04.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	7650	End	8078
GI	none	Score	237
Exons	7650..7901, 7682..7735, 7785..7880, 7789..7932, 7796..7900, 8006..8071, 8016..8078		

Seq. No.	26184	Seq. ID	OJ990804_04.9C23.C4
Gene No.	54269	Strand	
Start	7512	End	8078
Name	OJ990804_04.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	7679	End	8078
GI	none	Score	206
Exons	7679..7735, 7683..7889, 7805..7891, 8016..8078		

Seq. No.	26185	Seq. ID	OJ990804_04.9C23.C5
Gene No.	54270	Strand	+
Start	611	End	701
Name	OJ990804_04.9C23.C5.o1.gp	Method	AAT/GAP
Start	611	End	701
GI	5867_1.R1084	Score	148
Exons	611..701		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD.9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	26186	Seq. ID	OJ990804_04.9C23.C7
Gene No.	54271	Strand	+
Start	1	End	568
Name	OJ990804_04.9C23.C7.o1.np	Method	AAT/NAP
Start	1	End	568
GI	5051768	Score	241
Exons	1..29, 285..461, 545..568		
GI Descrip.	(AL078637) endo-1, 4-beta-glucanase like protein [Arabidopsis thaliana]		

Seq. No.	26186	Seq. ID	OJ990804_04.9C23.C7
Gene No.	54271	Strand	+
Start	1	End	568
Name	OJ990804_04.9C23.C7.o1.ts	Method	TBLASTX:Soybean
Start	276	End	464
GI	none	Score	274
Exons	276..449, 287..454, 288..464		

Seq. No.	26186	Seq. ID	OJ990804_04.9C23.C7
Gene No.	54271	Strand	+
Start	1	End	568
Name	OJ990804_04.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	278	End	568
GI	none	Score	278
Exons	278..454, 288..464, 314..466, 542..568		

Seq. No.	26186	Seq. ID	OJ990804_04.9C23.C7
Gene No.	54271	Strand	+
Start	1	End	568
Name	OJ990804_04.9C23.C7.o1.tw	Method	TBLASTX:Wheat
Start	278	End	464
GI	none	Score	181
Exons	278..454, 288..464		

Seq. No.	26186	Seq. ID	OJ990804_04.9C23.C7
Gene No.	54271	Strand	+
Start	1	End	568
Name	OJ990804_04.9C23.C7.o1.tc	Method	TBLASTX:Cress
Start	285	End	568
GI	none	Score	260
Exons	285..464, 287..454, 300..461, 542..568		

Seq. No.	26187	Seq. ID	OJ990804_04.9C23.C8
Gene No.	54272	Strand	+
Start	1023	End	2121
Name	OJ990804_04.9C23.C8.o1.gs	Method	GENSCAN
Start	1023	End	2121
GI	none	Score	.52
Exons	1023..1294, 1486..1563, 1984..2121		

Seq. No.	26187	Seq. ID	OJ990804_04.9C23.C8
Gene No.	54273	Strand	-
Start	6135	End	6346
Name	OJ990804_04.9C23.C8.o1.np	Method	AAT/NAP
Start	6135	End	6346
GI	6539570	Score	87
Exons	6135..6346		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	26187	Seq. ID	OJ990804_04.9C23.C8
Gene No.	54274	Strand	-
Start	6481	End	6556
Name	OJ990804_04.9C23.C8.o2.np	Method	AAT/NAP
Start	6481	End	6556
GI	6630699	Score	88
Exons	6481..6556		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26188	Seq. ID	OJ990804_04.9C23.C9
Gene No.	54275	Strand	+
Start	4624	End	7880
Name	OJ990804_04.9C23.C9.o1.np	Method	AAT/NAP
Start	4624	End	7877
GI	6907089	Score	4548
Exons	4624..5885, 5981..7877		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	26188	Seq. ID	OJ990804_04.9C23.C9
Gene No.	54275	Strand	+
Start	4624	End	7880
Name	OJ990804_04.9C23.C9.o2.gs	Method	GENSCAN
Start	4624	End	7880
GI	none	Score	1
Exons	4624..5885, 5981..7880		

Seq. No.	26188	Seq. ID	OJ990804_04.9C23.C9
Gene No.	54276	Strand	-
Start	7888	End	8348
Name	OJ990804_04.9C23.C9.o1.gp	Method	AAT/GAP
Start	7888	End	8348
GI	2428323	Score	793
Exons	7888..8348		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	26188	Seq. ID	OJ990804_04.9C23.C9
Gene No.	54277	Strand	-

Start	8508	End	9688
Name	OJ990804_04.9C23.C9.o3.gs	Method	GENSCAN
Start	8508	End	9640
GI	none	Score	.92
Exons	8508..9640		

Seq. No.	26188	Seq. ID	OJ990804_04.9C23.C9
Gene No.	54277	Strand	-
Start	8508	End	9688
Name	OJ990804_04.9C23.C9.o2.np	Method	AAT/NAP
Start	8511	End	9688
GI	6498441	Score	1770
Exons	8511..8792, 8886..9688		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	26188	Seq. ID	OJ990804_04.9C23.C9
Gene No.	54277	Strand	-
Start	8508	End	9688
Name	OJ990804_04.9C23.C9.o2.tw	Method	TBLASTX:Wheat
Start	8520	End	9122
GI	none	Score	82
Exons	8520..8645, 8524..8646, 8706..9122, 8812..8982, 8838..9122		

Seq. No.	26188	Seq. ID	OJ990804_04.9C23.C9
Gene No.	54277	Strand	-
Start	8508	End	9688
Name	OJ990804_04.9C23.C9.o1.tw	Method	TBLASTX:Wheat
Start	9123	End	9504
GI	none	Score	169
Exons	9123..9503, 9154..9402, 9162..9503, 9448..9504		

Seq. No.	26188	Seq. ID	OJ990804_04.9C23.C9
Gene No.	54277	Strand	-
Start	8508	End	9688
Name	OJ990804_04.9C23.C9.o1.tm	Method	TBLASTX:Maize
Start	9318	End	9641
GI	none	Score	184
Exons	9318..9641, 9331..9570		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o1.np	Method	AAT/NAP
Start	1	End	4431
GI	6498441	Score	5033
Exons	1..559, 731..1027, 1220..1646, 1821..1955, 2138..2511, 2575..3038, 3369..4431		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o1.gs	Method	GENSCAN

Start	116	End	2448
GI	none	Score	.95
Exons	116..1955, 2138..2448		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o2.ts	Method	TBLASTX:Soybean
Start	188	End	736
GI	5666795	Score	68
Exons	188..370, 425..562, 638..736		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o4.tw	Method	TBLASTX:Wheat
Start	425	End	987
GI	none	Score	88
Exons	425..574, 426..563, 428..565, 609..794, 635..844, 635..859, 967..987		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o2.np	Method	AAT/NAP
Start	1236	End	5246
GI	5042454	Score	2230
Exons	1236..1387, 2624..2906, 3131..3318, 3543..4953, 5010..5246		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o1.ts	Method	TBLASTX:Soybean
Start	1484	End	1855
GI	none	Score	74
Exons	1484..1855, 1695..1838		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o2.tw	Method	TBLASTX:Wheat
Start	1514	End	1934
GI	none	Score	303
Exons	1514..1933, 1521..1934		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o1.tm	Method	TBLASTX:Maize
Start	1607	End	1991
GI	none	Score	223
Exons	1607..1990, 1626..1991		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-

Start	1	End	5246
Name	OJ990804_04.9C23.C10.o2.tm	Method	TBLASTX:Maize
Start	2018	End	2373
GI	none	Score	174
Exons	2018..2047, 2044..2373, 2045..2338		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o1.tw	Method	TBLASTX:Wheat
Start	2045	End	2504
GI	none	Score	228
Exons	2045..2173, 2047..2502, 2047..2502, 2048..2503, 2061..2504		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o3.ts	Method	TBLASTX:Soybean
Start	2098	End	2463
GI	none	Score	116
Exons	2098..2232, 2239..2463		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o2.gs	Method	GENSCAN
Start	2512	End	5114
GI	none	Score	.45
Exons	2512..3684, 3761..4545, 4569..4953, 5010..5114		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o3.tw	Method	TBLASTX:Wheat
Start	2695	End	3154
GI	none	Score	172
Exons	2695..3153, 2699..2959, 3017..3154		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o5.tw	Method	TBLASTX:Wheat
Start	3890	End	4282
GI	none	Score	95
Exons	3890..4147, 3924..4163, 4130..4228, 4131..4223, 4235..4282		

Seq. No.	26189	Seq. ID	OJ990804_04.9C23.C10
Gene No.	54278	Strand	-
Start	1	End	5246
Name	OJ990804_04.9C23.C10.o3.tm	Method	TBLASTX:Maize
Start	3992	End	4277
GI	none	Score	107
Exons	3992..4240, 3993..4277		

Seq. No.	26190	Seq. ID	OJ990804_04.9C23.C11
Gene No.	54279	Strand	-
Start	1213	End	4065

Name	OJ990804_04.9C23.C11.o1.gs	Method	GENSCAN
Start	1213	End	4065
GI	none	Score	.81
Exons	1213..1236, 1339..1476, 1713..1795, 1838..2033, 2099..2190, 2906..3074, 3804..3992, 4018..4065		

Seq. No.	26190	Seq. ID	OJ990804_04.9C23.C11
Gene No.	54279	Strand	-
Start	1213	End	4065
Name	OJ990804_04.9C23.C11.o1.np	Method	AAT/NAP
Start	1335	End	1875
GI	3402756	Score	40
Exons	1335..1451, 1838..1875		
GI Descrip.	(AL031187) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	26191	Seq. ID	OJ990804_04.9C23.C12
Gene No.	54280	Strand	+
Start	107	End	240
Name	OJ990804_04.9C23.C12.o1.gs	Method	GENSCAN
Start	107	End	240
GI	none	Score	.46
Exons	107..240		

Seq. No.	26191	Seq. ID	OJ990804_04.9C23.C12
Gene No.	54281	Strand	-
Start	652	End	3880
Name	OJ990804_04.9C23.C12.o2.gs	Method	GENSCAN
Start	652	End	3804
GI	none	Score	.84
Exons	652..713, 806..965, 1207..1283, 1906..2006, 2053..2164, 2255..2521, 2639..2718, 2870..3055, 3170..3346, 3434..3804		

Seq. No.	26191	Seq. ID	OJ990804_04.9C23.C12
Gene No.	54281	Strand	-
Start	652	End	3880
Name	OJ990804_04.9C23.C12.o1.np	Method	AAT/NAP
Start	658	End	3880
GI	4678924	Score	455
Exons	658..725, 2291..2582, 2870..3055, 3170..3456, 3590..3735, 3854..3880		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	26191	Seq. ID	OJ990804_04.9C23.C12
Gene No.	54281	Strand	-
Start	652	End	3880
Name	OJ990804_04.9C23.C12.o1.gp	Method	AAT/GAP
Start	1007	End	1618
GI	none	Score	920
Exons	1007..1406, 1513..1618		

Seq. No.	26191	Seq. ID	OJ990804_04.9C23.C12
Gene No.	54281	Strand	-
Start	652	End	3880
Name	OJ990804_04.9C23.C12.o2.gp	Method	AAT/GAP
Start	2028	End	2713
GI	none	Score	1106
Exons	2028..2521, 2639..2713		

Seq. No.	26191	Seq. ID	OJ990804_04.9C23.C12
Gene No.	54281	Strand	-
Start	652	End	3880
Name	OJ990804_04.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	2867	End	3279
GI	none	Score	305
Exons	2867..3061, 2869..3057, 3170..3277, 3170..3277, 3172..3279, 3172..3279		

Seq. No.	26191	Seq. ID	OJ990804_04.9C23.C12
Gene No.	54281	Strand	-
Start	652	End	3880
Name	OJ990804_04.9C23.C12.o1.tc	Method	TBLASTX:Cress
Start	2869	End	3294
GI	none	Score	176
Exons	2869..3057, 2876..3061, 3170..3277, 3172..3294		

Seq. No.	26191	Seq. ID	OJ990804_04.9C23.C12
Gene No.	54281	Strand	-
Start	652	End	3880
Name	OJ990804_04.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	2873	End	3775
GI	none	Score	243
Exons	2873..3061, 2875..3057, 2963..3061, 3170..3256, 3172..3255, 3628..3717, 3638..3718, 3718..3774, 3719..3775		

Seq. No.	26192	Seq. ID	OJ990804_04.9C23.C13
Gene No.	54282	Strand	-
Start	1	End	400
Name	OJ990804_04.9C23.C13.o1.np	Method	AAT/NAP
Start	1	End	339
GI	4678924	Score	227
Exons	1..339		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	26192	Seq. ID	OJ990804_04.9C23.C13
Gene No.	54282	Strand	-
Start	1	End	400
Name	OJ990804_04.9C23.C13.o1.gp	Method	AAT/GAP
Start	32	End	400
GI	71600_1.R1084	Score	690
Exons	32..400		
GI Descrip.	'4678924/emb|CAB41315.1| 1.0e-21 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	26192	Seq. ID	OJ990804_04.9C23.C13
Gene No.	54282	Strand	-
Start	1	End	400
Name	OJ990804_04.9C23.C13.o1.gs	Method	GENSCAN
Start	43	End	339
GI	none	Score	.87
Exons	43..339		

Seq. No.	26192	Seq. ID	OJ990804_04.9C23.C13
Gene No.	54282	Strand	-
Start	1	End	400

Name	OJ990804_04.9C23.C13.o1.tc	Method	TBLASTX:Cress
Start	158	End	343
GI	none	Score	140
Exons	158..343, 160..342		

Seq. No.	26192	Seq. ID	OJ990804_04.9C23.C13
Gene No.	54282	Strand	-
Start	1	End	400
Name	OJ990804_04.9C23.C13.o1.ts	Method	TBLASTX:Soybean
Start	158	End	352
GI	none	Score	160
Exons	158..352, 160..339		

Seq. No.	26192	Seq. ID	OJ990804_04.9C23.C13
Gene No.	54282	Strand	-
Start	1	End	400
Name	OJ990804_04.9C23.C13.o1.tm	Method	TBLASTX:Maize
Start	160	End	354
GI	none	Score	266
Exons	160..354, 161..352		

Seq. No.	26193	Seq. ID	OJ990804_04.9C23.C15
Gene No.	54283	Strand	-
Start	1	End	5868
Name	OJ990804_04.9C23.C15.o1.np	Method	AAT/NAP
Start	1	End	4266
GI	6006801	Score	922
Exons	1..191, 946..1045, 1743..1948, 2200..2292, 2446..2502, 2612..2740, 3919..4266		
GI Descrip.	(AF156783) apyrase [Arabidopsis thaliana]		

Seq. No.	26193	Seq. ID	OJ990804_04.9C23.C15
Gene No.	54283	Strand	-
Start	1	End	5868
Name	OJ990804_04.9C23.C15.o1.tm	Method	TBLASTX:Maize
Start	3	End	4165
GI	none	Score	84
Exons	3..92, 6..89, 86..199, 90..224, 949..1074, 950..1075, 1721..1948, 1721..1948, 1743..1949, 1747..1956, 1848..1961, 2197..2292, 2198..2266, 2198..2293, 2443..2502, 2444..2503, 2600..2743, 2619..2753, 3914..4036, 3916..4029, 4130..4165		

Seq. No.	26193	Seq. ID	OJ990804_04.9C23.C15
Gene No.	54283	Strand	-
Start	1	End	5868
Name	OJ990804_04.9C23.C15.o2.ts	Method	TBLASTX:Soybean
Start	3	End	227
GI	none	Score	124
Exons	3..227, 9..203		

Seq. No.	26193	Seq. ID	OJ990804_04.9C23.C15
Gene No.	54283	Strand	-
Start	1	End	5868
Name	OJ990804_04.9C23.C15.o1.gs	Method	GENSCAN
Start	158	End	5868
GI	none	Score	.79
Exons	158..264, 951..1045, 1743..1948, 2446..2522, 2638..2740,		

3919..4654, 4852..4914, 5173..5360, 5566..5703, 5785..5868

Seq. No.	26193	Seq. ID	OJ990804_04.9C23.C15
Gene No.	54283	Strand	-
Start	1	End	5868
Name	OJ990804_04.9C23.C15.o1.ts	Method	TBLASTX:Soybean
Start	982	End	4029
GI	none	Score	108
Exons	982..1050, 1721..1948, 1727..1942, 1728..1949, 1740..1952, 1816..1950, 2197..2292, 2440..2502, 2444..2503, 2600..2734, 2619..2735, 3925..4029, 3926..4027		

Seq. No.	26194	Seq. ID	OJ990804_04.9C23.C16
Gene No.	54284	Strand	-
Start	1	End	2259
Name	OJ990804_04.9C23.C16.o1.np	Method	AAT/NAP
Start	1	End	2259
GI	1621268	Score	407
Exons	1..35, 97..482, 604..785, 2203..2259		
GI Descrip.	(Z81012) unknown [Ricinus communis]		

Seq. No.	26194	Seq. ID	OJ990804_04.9C23.C16
Gene No.	54284	Strand	-
Start	1	End	2259
Name	OJ990804_04.9C23.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	820
GI	none	Score	127
Exons	2..49, 166..327, 173..328, 325..405, 352..480, 356..481, 417..485, 617..781, 618..764, 749..820		

Seq. No.	26194	Seq. ID	OJ990804_04.9C23.C16
Gene No.	54284	Strand	-
Start	1	End	2259
Name	OJ990804_04.9C23.C16.o1.gs	Method	GENSCAN
Start	92	End	851
GI	none	Score	.51
Exons	92..482, 604..724, 777..851		

Seq. No.	26194	Seq. ID	OJ990804_04.9C23.C16
Gene No.	54284	Strand	-
Start	1	End	2259
Name	OJ990804_04.9C23.C16.o1.tc	Method	TBLASTX:Cress
Start	157	End	781
GI	none	Score	118
Exons	157..327, 167..325, 355..480, 356..478, 581..781, 618..755		

Seq. No.	26194	Seq. ID	OJ990804_04.9C23.C16
Gene No.	54284	Strand	-
Start	1	End	2259
Name	OJ990804_04.9C23.C16.o1.ts	Method	TBLASTX:Soybean
Start	157	End	758
GI	none	Score	122
Exons	157..327, 167..325, 355..480, 356..478, 581..757, 618..758		

Seq. No.	26195	Seq. ID	OJ990804_04.9C23.C17
Gene No.	54285	Strand	+
Start	277	End	445

Name	OJ990804_04.9C23.C17.o1.gs	Method	GENSCAN
Start	277	End	445
GI	none	Score	.57
Exons	277..445		

Seq. No.	26195	Seq. ID	OJ990804_04.9C23.C17
Gene No.	54286	Strand	+
Start	1367	End	1543
Name	OJ990804_04.9C23.C17.o2.gs	Method	GENSCAN
Start	1367	End	1543
GI	none	Score	.75
Exons	1367..1543		

Seq. No.	26196	Seq. ID	OJ990804_04.9C23.C18
Gene No.	54287	Strand	+
Start	270	End	2902
Name	OJ990804_04.9C23.C18.o1.gs	Method	GENSCAN
Start	270	End	2902
GI	none	Score	.68
Exons	270..402, 568..666, 1918..2048, 2461..2573, 2809..2902		

Seq. No.	26197	Seq. ID	OJ990804_04.9C23.C19
Gene No.	54288	Strand	-
Start	75	End	4897
Name	OJ990804_04.9C23.C19.o1.ts	Method	TBLASTX:Soybean
Start	69	End	344
GI	none	Score	108
Exons	69..272, 82..264, 285..344		

Seq. No.	26197	Seq. ID	OJ990804_04.9C23.C19
Gene No.	54288	Strand	-
Start	75	End	4897
Name	OJ990804_04.9C23.C19.o1.gs	Method	GENSCAN
Start	75	End	4897
GI	none	Score	.76
Exons	75..402, 489..623, 890..964, 1230..1301, 1564..1638, 1732..1893, 2140..2214, 2477..2603, 2881..3036, 4798..4897		

Seq. No.	26197	Seq. ID	OJ990804_04.9C23.C19
Gene No.	54288	Strand	-
Start	75	End	4897
Name	OJ990804_04.9C23.C19.o2.ts	Method	TBLASTX:Soybean
Start	491	End	1127
GI	none	Score	47
Exons	491..619, 708..785, 713..784, 871..975, 904..963, 1059..1127		

Seq. No.	26197	Seq. ID	OJ990804_04.9C23.C19
Gene No.	54288	Strand	-
Start	75	End	4897
Name	OJ990804_04.9C23.C19.o3.ts	Method	TBLASTX:Soybean
Start	1251	End	2213
GI	none	Score	46
Exons	1251..1301, 1408..1479, 1746..1910, 1767..1904, 1989..2057, 2160..2213		

Seq. No.	26197	Seq. ID	OJ990804_04.9C23.C19
Gene No.	54288	Strand	-

Start	75	End	4897
Name	OJ990804_04.9C23.C19.o1.tm	Method	TBLASTX:Maize
Start	2315	End	2623
GI	none	Score	74
Exons	2315..2389, 2318..2389, 2322..2396, 2471..2623, 2476..2622		

Seq. No.	26198	Seq. ID	OJ990804_04.9C23.C20
Gene No.	54289	Strand	+
Start	106	End	236
Name	OJ990804_04.9C23.C20.o1.gs	Method	GENSCAN
Start	106	End	236
GI	none	Score	.91
Exons	106..236		

Seq. No.	26199	Seq. ID	OJ990804_04.9C23.C21
Gene No.	54290	Strand	+
Start	1240	End	1348
Name	OJ990804_04.9C23.C21.o1.gs	Method	GENSCAN
Start	1240	End	1348
GI	none	Score	.89
Exons	1240..1348		

Seq. No.	26199	Seq. ID	OJ990804_04.9C23.C21
Gene No.	54291	Strand	-
Start	3130	End	3434
Name	OJ990804_04.9C23.C21.o2.gs	Method	GENSCAN
Start	3130	End	3434
GI	none	Score	.66
Exons	3130..3239, 3265..3289, 3354..3434		

Seq. No.	26200	Seq. ID	OJ990804_04.9C23.C22
Gene No.	54292	Strand	-
Start	544	End	3444
Name	OJ990804_04.9C23.C22.o1.gs	Method	GENSCAN
Start	544	End	3376
GI	none	Score	.92
Exons	544..755, 1005..1085, 1186..1446, 1648..1727, 1845..2024, 2129..2308, 2394..3376		

Seq. No.	26200	Seq. ID	OJ990804_04.9C23.C22
Gene No.	54292	Strand	-
Start	544	End	3444
Name	OJ990804_04.9C23.C22.o1.np	Method	AAT/NAP
Start	580	End	3376
GI	4678924	Score	776
Exons	580..814, 977..1064, 1218..1429, 1760..2024, 2129..2429, 2576..2726, 2826..2990, 3159..3376		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	26200	Seq. ID	OJ990804_04.9C23.C22
Gene No.	54292	Strand	-
Start	544	End	3444
Name	OJ990804_04.9C23.C22.o1.ts	Method	TBLASTX:Soybean
Start	763	End	2902
GI	none	Score	53
Exons	763..813, 1638..1718, 1670..1720, 1836..2030, 1836..1877, 1844..2026, 1932..2030, 2129..2215, 2131..2214, 2606..2686,		

2613..2672, 2696..2746, 2855..2902

Seq. No.	26200	Seq. ID	OJ990804_04.9C23.C22
Gene No.	54292	Strand	-
Start	544	End	3444
Name	OJ990804_04.9C23.C22.o1.tc	Method	TBLASTX:Cress
Start	1793	End	2253
GI	none	Score	188
Exons	1793..2026, 1818..2030, 2129..2236, 2131..2253		

Seq. No.	26200	Seq. ID	OJ990804_04.9C23.C22
Gene No.	54292	Strand	-
Start	544	End	3444
Name	OJ990804_04.9C23.C22.o1.tm	Method	TBLASTX:Maize
Start	1834	End	2238
GI	none	Score	313
Exons	1834..1944, 1838..2026, 1839..2030, 1883..2041, 2129..2236, 2129..2236, 2131..2238, 2131..2238		

Seq. No.	26200	Seq. ID	OJ990804_04.9C23.C22
Gene No.	54292	Strand	-
Start	544	End	3444
Name	OJ990804_04.9C23.C22.o1.gp	Method	AAT/GAP
Start	3065	End	3444
GI	71600_1.R1084	Score	537
Exons	3065..3444		
GI Descrip.	'4678924/emb|CAB41315.1| 1.0e-21 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	26200	Seq. ID	OJ990804_04.9C23.C22
Gene No.	54292	Strand	-
Start	544	End	3444
Name	OJ990804_04.9C23.C22.o2.tc	Method	TBLASTX:Cress
Start	3185	End	3380
GI	none	Score	133
Exons	3185..3379, 3189..3380		

Seq. No.	26200	Seq. ID	OJ990804_04.9C23.C22
Gene No.	54292	Strand	-
Start	544	End	3444
Name	OJ990804_04.9C23.C22.o2.tm	Method	TBLASTX:Maize
Start	3185	End	3401
GI	none	Score	275
Exons	3185..3388, 3189..3392, 3216..3401		

Seq. No.	26200	Seq. ID	OJ990804_04.9C23.C22
Gene No.	54292	Strand	-
Start	544	End	3444
Name	OJ990804_04.9C23.C22.o2.ts	Method	TBLASTX:Soybean
Start	3188	End	3392
GI	none	Score	168
Exons	3188..3376, 3189..3392		

Seq. No.	26201	Seq. ID	OJ990804_04.9C23.C23
Gene No.	54293	Strand	+
Start	623	End	1081
Name	OJ990804_04.9C23.C23.o1.gp	Method	AAT/GAP

Start	623	End	1081
GI	54367_1.R1084	Score	830
Exons	623..1081		
GI Descrip.	'2065531 5.0e-38 (U78526) endo-1,4-beta-glucanase [Lycopersicon esculentum]'		

Seq. No.	26201	Seq. ID	OJ990804_04.9C23.C23
Gene No.	54294	Strand	-
Start	833	End	1081
Name	OJ990804_04.9C23.C23.o1.tm	Method	TBLASTX:Maize
Start	766	End	1070
GI	none	Score	44
Exons	766..801, 767..802, 829..1041, 829..1041, 887..1069, 897..1070		

Seq. No.	26201	Seq. ID	OJ990804_04.9C23.C23
Gene No.	54294	Strand	-
Start	833	End	1081
Name	OJ990804_04.9C23.C23.o1.tc	Method	TBLASTX:Cress
Start	831	End	1081
GI	none	Score	181
Exons	831..902, 901..1074, 921..1079, 977..1081		

Seq. No.	26201	Seq. ID	OJ990804_04.9C23.C23
Gene No.	54294	Strand	-
Start	833	End	1081
Name	OJ990804_04.9C23.C23.o1.np	Method	AAT/NAP
Start	833	End	1081
GI	5689613	Score	334
Exons	833..1081		
GI Descrip.	(AJ242807) cellulase [Brassica napus]		

Seq. No.	26201	Seq. ID	OJ990804_04.9C23.C23
Gene No.	54294	Strand	-
Start	833	End	1081
Name	OJ990804_04.9C23.C23.o1.gs	Method	GENSCAN
Start	925	End	1042
GI	none	Score	.74
Exons	925..1042		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54295	Strand	+
Start	3946	End	4508
Name	OJ990804_04.9C23.C24.o2.gs	Method	GENSCAN
Start	3946	End	4508
GI	none	Score	.61
Exons	3946..4179, 4371..4508		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54296	Strand	-
Start	1	End	2569
Name	OJ990804_04.9C23.C24.o1.np	Method	AAT/NAP
Start	1	End	2563
GI	2065531	Score	1442
Exons	1..24, 783..1252, 1346..1653, 2188..2563		
GI Descrip.	(U78526) endo-1,4-beta-glucanase [Lycopersicon esculentum]		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24

Gene No.	54296	Strand	-
Start	1	End	2569
Name	OJ990804_04.9C23.C24.o1.gs	Method	GENSCAN
Start	791	End	2569
GI	none	Score	.81
Exons	791..1252, 1346..1653, 2188..2569		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54296	Strand	-
Start	1	End	2569
Name	OJ990804_04.9C23.C24.o1.gp	Method	AAT/GAP
Start	957	End	1395
GI	4968582	Score	642
Exons	957..1252, 1346..1395		
GI Descrip.	2065531 5.0e-38 (U78526) endo-1,4-beta-glucanase [Lycopersicon esculentum]		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54297	Strand	-
Start	2471	End	2781
Name	OJ990804_04.9C23.C24.o2.tm	Method	TBLASTX:Maize
Start	781	End	947
GI	none	Score	143
Exons	781..945, 785..946, 789..947		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54297	Strand	-
Start	2471	End	2781
Name	OJ990804_04.9C23.C24.o1.tc	Method	TBLASTX:Cress
Start	785	End	2581
GI	none	Score	84
Exons	785..1144, 791..865, 795..1142, 890..1147, 898..1149, 1148..1255, 1194..1256, 1343..1570, 1344..1565, 1584..1652, 1592..1654, 2189..2236, 2271..2399, 2336..2413, 2396..2467, 2424..2468, 2525..2581, 2526..2570		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54297	Strand	-
Start	2471	End	2781
Name	OJ990804_04.9C23.C24.o1.ts	Method	TBLASTX:Soybean
Start	785	End	1654
GI	none	Score	395
Exons	785..1228, 789..1217, 791..1228, 895..1251, 1343..1570, 1364..1564, 1365..1565, 1586..1642, 1586..1654, 1593..1652		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54297	Strand	-
Start	2471	End	2781
Name	OJ990804_04.9C23.C24.o2.tw	Method	TBLASTX:Wheat
Start	806	End	1039
GI	none	Score	41
Exons	806..886, 806..844, 829..1035, 839..1039, 840..1016, 917..1033		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54297	Strand	-
Start	2471	End	2781
Name	OJ990804_04.9C23.C24.o1.tm	Method	TBLASTX:Maize

Start	953	End	2563
GI	none	Score	112
Exons	953..1096, 954..1094, 954..1127, 1129..1254, 1130..1255, 1136..1255, 1343..1645, 1343..1654, 1353..1652, 2189..2236, 2192..2227, 2271..2405, 2336..2404, 2361..2468, 2387..2467, 2525..2563, 2528..2563		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54297	Strand	-
Start	2471	End	2781
Name	OJ990804_04.9C23.C24.o1.tw	Method	TBLASTX:Wheat
Start	1400	End	2453
GI	none	Score	154
Exons	1400..1474, 1454..1651, 1475..1654, 1479..1652, 2189..2236, 2190..2399, 2339..2407, 2414..2452, 2415..2453		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54297	Strand	-
Start	2471	End	2781
Name	OJ990804_04.9C23.C24.o2.ts	Method	TBLASTX:Soybean
Start	2172	End	2576
GI	none	Score	129
Exons	2172..2468, 2189..2236, 2336..2464, 2525..2575, 2526..2576		

Seq. No.	26202	Seq. ID	OJ990804_04.9C23.C24
Gene No.	54297	Strand	-
Start	2471	End	2781
Name	OJ990804_04.9C23.C24.o2.gp	Method	AAT/GAP
Start	2471	End	2781
GI	58870_1.R1084	Score	559
Exons	2471..2781		
GI Descrip.	'2065531 5.0e-38 (U78526) endo-1,4-beta-glucanase [Lycopersicon esculentum]'		

Seq. No.	26203	Seq. ID	OJ990804_04.9C23.C25
Gene No.	54298	Strand	-
Start	14	End	469
Name	OJ990804_04.9C23.C25.o1.gs	Method	GENSCAN
Start	14	End	469
GI	none	Score	.54
Exons	14..126, 376..469		

Seq. No.	26204	Seq. ID	OJ990804_04.9C23.C26
Gene No.	54299	Strand	+
Start	399	End	1127
Name	OJ990804_04.9C23.C26.o1.np	Method	AAT/NAP
Start	399	End	1127
GI	2160180	Score	99
Exons	399..446, 527..705, 1044..1127		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	26204	Seq. ID	OJ990804_04.9C23.C26
Gene No.	54300	Strand	-
Start	206	End	634
Name	OJ990804_04.9C23.C26.o1.gs	Method	GENSCAN
Start	206	End	634
GI	none	Score	.79

Exons	206..634		
Seq. No.	26205	Seq. ID	OJ990804_04.9C23.C28
Gene No.	54301	Strand	+
Start	539	End	1203
Name	OJ990804_04.9C23.C28.o1.gs	Method	GENSCAN
Start	539	End	1126
GI	none	Score	.52
Exons	539..1126		
Seq. No.	26205	Seq. ID	OJ990804_04.9C23.C28
Gene No.	54301	Strand	+
Start	539	End	1203
Name	OJ990804_04.9C23.C28.o1.tm	Method	TBLASTX:Maize
Start	752	End	1203
GI	none	Score	156
Exons	752..880, 755..880, 760..882, 834..884, 892..1116, 899..1117, 966..1118, 1114..1203, 1134..1202, 1150..1203		
Seq. No.	26206	Seq. ID	OJ990804_04.9C23.C33
Gene No.	54302	Strand	-
Start	1	End	1013
Name	OJ990804_04.9C23.C33.o1.np	Method	AAT/NAP
Start	1	End	1013
GI	6911877	Score	117
Exons	1..357, 994..1013		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		
Seq. No.	26206	Seq. ID	OJ990804_04.9C23.C33
Gene No.	54302	Strand	-
Start	1	End	1013
Name	OJ990804_04.9C23.C33.o1.gs	Method	GENSCAN
Start	102	End	395
GI	none	Score	.45
Exons	102..395		
Seq. No.	26207	Seq. ID	OJ990804_04.9C23.C35
Gene No.	54303	Strand	+
Start	298	End	408
Name	OJ990804_04.9C23.C35.o1.gs	Method	GENSCAN
Start	298	End	408
GI	none	Score	.62
Exons	298..408		
Seq. No.	26208	Seq. ID	OJ990804_04.9C23.C38
Gene No.	54304	Strand	+
Start	146	End	285
Name	OJ990804_04.9C23.C38.o1.gs	Method	GENSCAN
Start	146	End	285
GI	none	Score	.91
Exons	146..285		
Seq. No.	26208	Seq. ID	OJ990804_04.9C23.C38
Gene No.	54305	Strand	+
Start	1779	End	6572
Name	OJ990804_04.9C23.C38.o2.np	Method	AAT/NAP
Start	1779	End	5920

GI	3367537	Score	60
Exons	1779..1811, 3188..3352, 5878..5920		
GI Descrip.	(AC004392) Contains similarity to ANK repeat region of Fowlpox virus BamHI-orf7 protein homolog C18F10.7 gi|485107 from Caenorhabditis elegans cosmid gb|U00049. This gene is continued from unannotated gene on BAC F19K23 gb|AC000375. [Arabid...		

Seq. No.	26208	Seq. ID	OJ990804_04.9C23.C38
Gene No.	54305	Strand	+
Start	1779	End	6572
Name	OJ990804_04.9C23.C38.o3.gs	Method	GENSCAN
Start	3189	End	3781
GI	none	Score	.96
Exons	3189..3393, 3399..3781		

Seq. No.	26208	Seq. ID	OJ990804_04.9C23.C38
Gene No.	54305	Strand	+
Start	1779	End	6572
Name	OJ990804_04.9C23.C38.o1.gp	Method	AAT/GAP
Start	5005	End	6485
GI	30269_1.R1084	Score	604
Exons	5005..5182, 6321..6485		
GI Descrip.	'4115377 3.0e-91 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26208	Seq. ID	OJ990804_04.9C23.C38
Gene No.	54305	Strand	+
Start	1779	End	6572
Name	OJ990804_04.9C23.C38.o4.gs	Method	GENSCAN
Start	5048	End	6485
GI	none	Score	.74
Exons	5048..5182, 6321..6485		

Seq. No.	26208	Seq. ID	OJ990804_04.9C23.C38
Gene No.	54305	Strand	+
Start	1779	End	6572
Name	OJ990804_04.9C23.C38.o3.np	Method	AAT/NAP
Start	5075	End	6572
GI	4115377	Score	235
Exons	5075..5211, 6282..6572		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	26208	Seq. ID	OJ990804_04.9C23.C38
Gene No.	54306	Strand	-
Start	1556	End	3086
Name	OJ990804_04.9C23.C38.o1.np	Method	AAT/NAP
Start	1556	End	3086
GI	4584521	Score	104
Exons	1556..1757, 2567..2834, 3034..3086		
GI Descrip.	(AL049607) putative protein [Arabidopsis thaliana]		

Seq. No.	26208	Seq. ID	OJ990804_04.9C23.C38
Gene No.	54307	Strand	
Start	6311	End	6497
Name	OJ990804_04.9C23.C38.o1.tm	Method	TBLASTX:Maize
Start	6311	End	6497

GI	none	Score	205
Exons	6311..6484, 6313..6483, 6318..6497, 6318..6485, 6320..6496		

Seq. No.	26208	Seq. ID	OJ990804_04.9C23.C38
Gene No.	54307	Strand	
Start	6311	End	6497
Name	OJ990804_04.9C23.C38.o1.ts	Method	TBLASTX:Soybean
Start	6315	End	6493
GI	none	Score	241
Exons	6315..6485, 6335..6493		

Seq. No.	26208	Seq. ID	OJ990804_04.9C23.C38
Gene No.	54307	Strand	
Start	6311	End	6497
Name	OJ990804_04.9C23.C38.o1.tc	Method	TBLASTX:Cress
Start	6318	End	6493
GI	none	Score	235
Exons	6318..6473, 6323..6493, 6324..6482		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54308	Strand	+
Start	1	End	590
Name	OJ990804_04.9C23.C43.o1.np	Method	AAT/NAP
Start	1	End	584
GI	2160180	Score	343
Exons	1..23, 106..229, 351..584		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54308	Strand	+
Start	1	End	590
Name	OJ990804_04.9C23.C43.o1.gs	Method	GENSCAN
Start	103	End	590
GI	none	Score	.9
Exons	103..229, 351..590		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54309	Strand	+
Start	2590	End	2927
Name	OJ990804_04.9C23.C43.o1.gp	Method	AAT/GAP
Start	2590	End	2927
GI	none	Score	656
Exons	2590..2927		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54310	Strand	+
Start	10052	End	10634
Name	OJ990804_04.9C23.C43.o5.gs	Method	GENSCAN
Start	10052	End	10634
GI	none	Score	.96
Exons	10052..10152, 10565..10634		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54311	Strand	+
Start	11881	End	12571
Name	OJ990804_04.9C23.C43.o6.gs	Method	GENSCAN
Start	11881	End	12571

GI	none	Score	.43
Exons	11881..12184, 12342..12438, 12514..12571		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54312	Strand	-
Start	921	End	1217
Name	OJ990804_04.9C23.C43.o2.gs	Method	GENSCAN
Start	921	End	1217
GI	none	Score	.94
Exons	921..1082, 1176..1217		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54313	Strand	-
Start	1290	End	12192
Name	OJ990804_04.9C23.C43.o2.tm	Method	TBLASTX:Maize
Start	351	End	584
GI	none	Score	374
Exons	351..584, 351..560, 356..583		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54313	Strand	-
Start	1290	End	12192
Name	OJ990804_04.9C23.C43.o2.tc	Method	TBLASTX:Cress
Start	386	End	578
GI	none	Score	235
Exons	386..559, 387..578		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54313	Strand	-
Start	1290	End	12192
Name	OJ990804_04.9C23.C43.o2.np	Method	AAT/NAP
Start	1290	End	12192
GI	4038043	Score	794
Exons	1290..1382, 1456..1556, 2967..3114, 3202..3982, 7280..7676, 7761..7842, 12091..12192		
GI Descrip.	(AC005936) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54313	Strand	-
Start	1290	End	12192
Name	OJ990804_04.9C23.C43.o3.gs	Method	GENSCAN
Start	2884	End	3909
GI	none	Score	.88
Exons	2884..3909		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54313	Strand	-
Start	1290	End	12192
Name	OJ990804_04.9C23.C43.o1.tm	Method	TBLASTX:Maize
Start	2962	End	7791
GI	none	Score	68
Exons	2962..3084, 3277..3339, 3278..3340, 3913..3984, 3922..3984, 3926..3988, 7279..7431, 7283..7414, 7424..7510, 7426..7509, 7501..7677, 7502..7651, 7759..7791		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43

Gene No.	54313	Strand	-
Start	1290	End	12192
Name	OJ990804_04.9C23.C43.o2.gp	Method	AAT/GAP
Start	3058	End	3440
GI	none	Score	750
Exons	3058..3440		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54313	Strand	-
Start	1290	End	12192
Name	OJ990804_04.9C23.C43.o1.tc	Method	TBLASTX:Cress
Start	3922	End	7791
GI	none	Score	113
Exons	3922..3984, 7279..7386, 7280..7369, 7384..7608, 7403..7558, 7568..7603, 7594..7677, 7595..7651, 7759..7791		

Seq. No.	26209	Seq. ID	OJ990804_04.9C23.C43
Gene No.	54313	Strand	-
Start	1290	End	12192
Name	OJ990804_04.9C23.C43.o1.ts	Method	TBLASTX:Soybean
Start	7300	End	7635
GI	none	Score	58
Exons	7300..7635, 7301..7363, 7403..7633		

Seq. No.	26210	Seq. ID	OJ990804_04.9C23.C46
Gene No.	54314	Strand	+
Start	384	End	434
Name	OJ990804_04.9C23.C46.o1.gs	Method	GENSCAN
Start	384	End	434
GI	none	Score	.47
Exons	384..434		

Seq. No.	26210	Seq. ID	OJ990804_04.9C23.C46
Gene No.	54315	Strand	-
Start	1	End	186
Name	OJ990804_04.9C23.C46.o1.gp	Method	AAT/GAP
Start	1	End	186
GI	4799_1.R1084	Score	352
Exons	1..186		
GI Descrip.	'4115377 1.0e-33 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54316	Strand	+
Start	3310	End	6688
Name	OJ990804_04.9C23.C47.o1.gp	Method	AAT/GAP
Start	3245	End	5614
GI	30269_1.R1084	Score	1556
Exons	3245..3426, 4406..4570, 4662..4771, 4856..4961, 5036..5148, 5255..5408, 5531..5614		
GI Descrip.	'4115377 3.0e-91 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54316	Strand	+
Start	3310	End	6688
Name	OJ990804_04.9C23.C47.o2.gs	Method	GENSCAN

Start	3310	End	6688
GI	none	Score	.95
Exons	3310..3426, 4406..4570, 4662..4771, 4856..4961, 5036..5148, 5255..5408, 5531..6688		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54316	Strand	+
Start	3310	End	6688
Name	OJ990804_04.9C23.C47.o3.np	Method	AAT/NAP
Start	3318	End	6685
GI	4115377	Score	2427
Exons	3318..3456, 4368..4570, 4662..4771, 4856..4961, 5036..5148, 5255..5408, 5531..6685		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54316	Strand	+
Start	3310	End	6688
Name	OJ990804_04.9C23.C47.o2.gp	Method	AAT/GAP
Start	5626	End	6213
GI	16061_1.R1084	Score	1087
Exons	5626..6213		
GI Descrip.	'4115377 3.0e-80 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54317	Strand	-
Start	1	End	1694
Name	OJ990804_04.9C23.C47.o1.np	Method	AAT/NAP
Start	1	End	1694
GI	6539570	Score	252
Exons	1..34, 1262..1332, 1492..1694		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54318	Strand	-
Start	1821	End	1899
Name	OJ990804_04.9C23.C47.o2.np	Method	AAT/NAP
Start	1821	End	1899
GI	6630699	Score	68
Exons	1821..1899		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54319	Strand	-
Start	6450	End	6899
Name	OJ990804_04.9C23.C47.o2.ts	Method	TBLASTX:Soybean
Start	4390	End	4916
GI	none	Score	125
Exons	4390..4566, 4400..4570, 4400..4570, 4404..4574, 4420..4584, 4662..4772, 4857..4916		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54319	Strand	-

Start	6450	End	6899
Name	OJ990804_04.9C23.C47.o1.tm	Method	TBLASTX:Maize
Start	4396	End	6697
GI	none	Score	196
Exons	4396..4566, 4398..4565, 4403..4582, 4403..4570, 4405..4584, 4678..4779, 4679..4795, 4680..4772, 4852..4959, 4857..4961, 5035..5148, 5036..5158, 5039..5158, 5043..5159, 5248..5328, 5249..5416, 5253..5408, 5261..5413, 5524..5772, 5524..6690, 5531..6346, 5803..6690, 6419..6697		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54319	Strand	-
Start	6450	End	6899
Name	OJ990804_04.9C23.C47.o2.tc	Method	TBLASTX:Cress
Start	4403	End	5399
GI	none	Score	72
Exons	4403..4567, 4404..4565, 4408..4584, 4409..4567, 4662..4772, 4853..4897, 4857..4901, 4911..4961, 4911..4955, 5035..5148, 5036..5158, 5253..5288, 5288..5398, 5295..5399		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54319	Strand	-
Start	6450	End	6899
Name	OJ990804_04.9C23.C47.o1.ts	Method	TBLASTX:Soybean
Start	4917	End	6688
GI	none	Score	54
Exons	4917..4961, 5035..5148, 5036..5158, 5238..5408, 5249..5416, 5252..5398, 5253..5408, 5341..5409, 5521..6687, 5529..5600, 5530..5763, 5531..6346, 5803..6687, 6419..6688		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54319	Strand	-
Start	6450	End	6899
Name	OJ990804_04.9C23.C47.o4.tc	Method	TBLASTX:Cress
Start	5525	End	5704
GI	none	Score	285
Exons	5525..5698, 5531..5704		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54319	Strand	-
Start	6450	End	6899
Name	OJ990804_04.9C23.C47.o3.tc	Method	TBLASTX:Cress
Start	5738	End	6061
GI	none	Score	473
Exons	5738..6061, 5740..6060		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54319	Strand	-
Start	6450	End	6899
Name	OJ990804_04.9C23.C47.o1.tw	Method	TBLASTX:Wheat
Start	5762	End	6099
GI	none	Score	193
Exons	5762..5980, 5770..5979, 5984..6094, 6004..6099		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54319	Strand	-
Start	6450	End	6899

Name	OJ990804_04.9C23.C47.o1.tc	Method	TBLASTX:Cress
Start	6062	End	6703
GI	none	Score	94
Exons	6062..6340, 6063..6641, 6069..6299, 6070..6684, 6071..6346, 6407..6685, 6419..6703		

Seq. No.	26211	Seq. ID	OJ990804_04.9C23.C47
Gene No.	54319	Strand	-
Start	6450	End	6899
Name	OJ990804_04.9C23.C47.o3.gp	Method	AAT/GAP
Start	6450	End	6899
GI	4799_1.R1084	Score	880
Exons	6450..6899		
GI Descrip.	'4115377 1.0e-33 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26212	Seq. ID	OJ990804_04.9C23.C48
Gene No.	54320	Strand	+
Start	109	End	890
Name	OJ990804_04.9C23.C48.o1.gs	Method	GENSCAN
Start	109	End	890
GI	none	Score	.64
Exons	109..333, 415..517, 842..890		

Seq. No.	26212	Seq. ID	OJ990804_04.9C23.C48
Gene No.	54321	Strand	+
Start	2632	End	4093
Name	OJ990804_04.9C23.C48.o2.gs	Method	GENSCAN
Start	2632	End	4093
GI	none	Score	.55
Exons	2632..2685, 2990..3277, 3375..3509, 3626..3727, 4010..4093		

Seq. No.	26212	Seq. ID	OJ990804_04.9C23.C48
Gene No.	54322	Strand	+
Start	12332	End	12433
Name	OJ990804_04.9C23.C48.o3.np	Method	AAT/NAP
Start	12332	End	12433
GI	6721561	Score	88
Exons	12332..12433		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26212	Seq. ID	OJ990804_04.9C23.C48
Gene No.	54323	Strand	+
Start	14773	End	14985
Name	OJ990804_04.9C23.C48.o1.gp	Method	AAT/GAP
Start	14734	End	14892
GI	30269_1.R1084	Score	261
Exons	14734..14892		
GI Descrip.	'4115377 3.0e-91 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26212	Seq. ID	OJ990804_04.9C23.C48
Gene No.	54323	Strand	+

Start	14773	End	14985
Name	OJ990804_04.9C23.C48.o4.gs	Method	GENSCAN
Start	14773	End	14985
GI	none	Score	.46
Exons	14773..14985		

Seq. No.	26212	Seq. ID	OJ990804_04.9C23.C48
Gene No.	54324	Strand	-
Start	2388	End	15030
Name	OJ990804_04.9C23.C48.o1.np	Method	AAT/NAP
Start	2388	End	14963
GI	6815109	Score	552
Exons	2388..2702, 10414..11222, 11248..11343, 11411..11511, 14755..14963		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	26212	Seq. ID	OJ990804_04.9C23.C48
Gene No.	54324	Strand	-
Start	2388	End	15030
Name	OJ990804_04.9C23.C48.o1.tm	Method	TBLASTX:Maize
Start	6729	End	6953
GI	none	Score	93
Exons	6729..6803, 6828..6953, 6829..6936		

Seq. No.	26212	Seq. ID	OJ990804_04.9C23.C48
Gene No.	54324	Strand	-
Start	2388	End	15030
Name	OJ990804_04.9C23.C48.o2.np	Method	AAT/NAP
Start	12210	End	15030
GI	4680183	Score	135
Exons	12210..12299, 14901..15030		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26213	Seq. ID	OJ990804_04.9C23.C49
Gene No.	54325	Strand	+
Start	1	End	70
Name	OJ990804_04.9C23.C49.o1.np	Method	AAT/NAP
Start	1	End	70
GI	4115377	Score	91
Exons	1..70		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	26213	Seq. ID	OJ990804_04.9C23.C49
Gene No.	54326	Strand	+
Start	399	End	2498
Name	OJ990804_04.9C23.C49.o1.gs	Method	GENSCAN
Start	399	End	2403
GI	none	Score	.76
Exons	399..439, 513..638, 663..797, 914..1078, 1207..1316, 1826..1979, 2109..2403		

Seq. No.	26213	Seq. ID	OJ990804_04.9C23.C49
Gene No.	54326	Strand	+
Start	399	End	2498
Name	OJ990804_04.9C23.C49.o2.np	Method	AAT/NAP
Start	914	End	2498

GI	4115377	Score	914
Exons	914..1078, 1207..1316, 1397..1502, 1626..1738, 1826..1979, 2109..2498		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	26213	Seq. ID	OJ990804_04.9C23.C49
Gene No.	54327	Strand	-
Start	1	End	2498
Name	OJ990804_04.9C23.C49.o1.gp	Method	AAT/GAP
Start	1	End	284
GI	4799_1.R1084	Score	532
Exons	1..284		
GI Descrip.	'4115377 1.0e-33 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26213	Seq. ID	OJ990804_04.9C23.C49
Gene No.	54327	Strand	-
Start	1	End	2498
Name	OJ990804_04.9C23.C49.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2493
GI	none	Score	113
Exons	1..72, 2..73, 1629..1736, 1640..1738, 1823..1975, 1824..1979, 2106..2405, 2106..2402, 2123..2407, 2359..2493		

Seq. No.	26213	Seq. ID	OJ990804_04.9C23.C49
Gene No.	54327	Strand	-
Start	1	End	2498
Name	OJ990804_04.9C23.C49.o1.tc	Method	TBLASTX:Cress
Start	836	End	1973
GI	none	Score	170
Exons	836..1075, 911..1075, 913..1083, 1207..1317, 1401..1442, 1458..1502, 1629..1736, 1632..1733, 1637..1738, 1640..1768, 1823..1852, 1824..1856, 1866..1973		

Seq. No.	26213	Seq. ID	OJ990804_04.9C23.C49
Gene No.	54327	Strand	-
Start	1	End	2498
Name	OJ990804_04.9C23.C49.o2.ts	Method	TBLASTX:Soybean
Start	911	End	1502
GI	none	Score	148
Exons	911..1075, 913..1095, 1207..1317, 1401..1502		

Seq. No.	26213	Seq. ID	OJ990804_04.9C23.C49
Gene No.	54327	Strand	-
Start	1	End	2498
Name	OJ990804_04.9C23.C49.o1.tm	Method	TBLASTX:Maize
Start	916	End	2498
GI	none	Score	167
Exons	916..1095, 917..1075, 1205..1318, 1206..1316, 1207..1317, 1393..1425, 1401..1460, 1452..1502, 1454..1501, 1635..1736, 1640..1762, 1823..1990, 1824..1979, 1827..1991, 2106..2405, 2108..2413, 2120..2407, 2382..2498, 2383..2493		

Seq. No.	26213	Seq. ID	OJ990804_04.9C23.C49
Gene No.	54327	Strand	-
Start	1	End	2498

Name	OJ990804_04.9C23.C49.o2.tc	Method	TBLASTX:Cress
Start	2106	End	2324
GI	none	Score	256
Exons	2106..2324, 2106..2324		

Seq. No.	26214	Seq. ID	OJ990804_04.9C23.C50
Gene No.	54328	Strand	+
Start	1	End	623
Name	OJ990804_04.9C23.C50.o1.np	Method	AAT/NAP
Start	1	End	620
GI	4115377	Score	687
Exons	1..620		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	26214	Seq. ID	OJ990804_04.9C23.C50
Gene No.	54328	Strand	+
Start	1	End	623
Name	OJ990804_04.9C23.C50.o1.tc	Method	TBLASTX:Cress
Start	5	End	605
GI	none	Score	612
Exons	5..280, 6..605, 24..401, 329..604		

Seq. No.	26214	Seq. ID	OJ990804_04.9C23.C50
Gene No.	54328	Strand	+
Start	1	End	623
Name	OJ990804_04.9C23.C50.o1.ts	Method	TBLASTX:Soybean
Start	5	End	605
GI	none	Score	610
Exons	5..280, 6..605, 21..404, 308..604		

Seq. No.	26214	Seq. ID	OJ990804_04.9C23.C50
Gene No.	54328	Strand	+
Start	1	End	623
Name	OJ990804_04.9C23.C50.o1.tm	Method	TBLASTX:Maize
Start	6	End	605
GI	none	Score	628
Exons	6..605, 8..280, 33..401, 329..604, 471..605		

Seq. No.	26214	Seq. ID	OJ990804_04.9C23.C50
Gene No.	54328	Strand	+
Start	1	End	623
Name	OJ990804_04.9C23.C50.o1.gs	Method	GENSCAN
Start	39	End	623
GI	none	Score	.85
Exons	39..623		

Seq. No.	26215	Seq. ID	OJ990804_04.9C23.C52
Gene No.	54329	Strand	+
Start	1130	End	1834
Name	OJ990804_04.9C23.C52.o1.gp	Method	AAT/GAP
Start	1066	End	1487
GI	LIB3434-033-P1-K1-C5	Score	816
Exons	1066..1487		
GI Descrip.	'5102759/emb|AJ131096.1|PAB131096 1.0e-14 Picea abies microsatellite RNA, clone PAAG2'		

Seq. No.	26215	Seq. ID	OJ990804_04.9C23.C52
Gene No.	54329	Strand	+
Start	1130	End	1834
Name	OJ990804_04.9C23.C52.o1.np	Method	AAT/NAP
Start	1124	End	1831
GI	2558663	Score	173
Exons	1124..1831		
GI Descrip.	(AC002354) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26215	Seq. ID	OJ990804_04.9C23.C52
Gene No.	54329	Strand	+
Start	1130	End	1834
Name	OJ990804_04.9C23.C52.o2.gs	Method	GENSCAN
Start	1130	End	1834
GI	none	Score	.97
Exons	1130..1834		

Seq. No.	26215	Seq. ID	OJ990804_04.9C23.C52
Gene No.	54330	Strand	+
Start	4766	End	5482
Name	OJ990804_04.9C23.C52.o4.gs	Method	GENSCAN
Start	4766	End	5482
GI	none	Score	.89
Exons	4766..5482		

Seq. No.	26215	Seq. ID	OJ990804_04.9C23.C52
Gene No.	54331	Strand	+
Start	6742	End	7470
Name	OJ990804_04.9C23.C52.o5.gs	Method	GENSCAN
Start	6742	End	7470
GI	none	Score	.59
Exons	6742..7470		

Seq. No.	26215	Seq. ID	OJ990804_04.9C23.C52
Gene No.	54332	Strand	-
Start	1909	End	7419
Name	OJ990804_04.9C23.C52.o1.tm	Method	TBLASTX:Maize
Start	3	End	7419
GI	none	Score	65
Exons	3..77, 76..159, 83..160, 1343..1510, 1345..1506, 1347..1541, 1348..1545, 1540..1782, 1556..1783, 1559..1678, 1609..1782, 4982..5143, 4983..5138, 5023..5196, 5140..5304, 5198..5311, 5298..5429, 5342..5431, 5353..5430, 6973..7185, 6974..7174, 7014..7175, 7189..7419, 7203..7298		

Seq. No.	26215	Seq. ID	OJ990804_04.9C23.C52
Gene No.	54332	Strand	-
Start	1909	End	7419
Name	OJ990804_04.9C23.C52.o2.tm	Method	TBLASTX:Maize
Start	1154	End	6952
GI	none	Score	124
Exons	1154..1321, 1177..1314, 4715..4771, 4718..4771, 4765..4962, 4766..4978, 4826..4978, 6691..6789, 6738..6932, 6738..6935, 6742..6942, 6899..6952		

Seq. No.	26215	Seq. ID	OJ990804_04.9C23.C52
Gene No.	54332	Strand	-

Start	1909	End	7419
Name	OJ990804_04.9C23.C52.o2.gp	Method	AAT/GAP
Start	1909	End	2346
GI	2800806	Score	290
Exons	1909..2078, 2316..2346		
GI Descrip.	5102759/emb|AJ131096.1|PAB131096 1.0e-14 Picea abies microsatellite RNA, clone PAAG2		

Seq. No.	26215	Seq. ID	OJ990804_04.9C23.C52
Gene No.	54332	Strand	-
Start	1909	End	7419
Name	OJ990804_04.9C23.C52.o3.gp	Method	AAT/GAP
Start	1933	End	2452
GI	2800806	Score	440
Exons	1933..2078, 2316..2452		
GI Descrip.	5102759/emb|AJ131096.1|PAB131096 1.0e-14 Picea abies microsatellite RNA, clone PAAG2		

Seq. No.	26215	Seq. ID	OJ990804_04.9C23.C52
Gene No.	54332	Strand	-
Start	1909	End	7419
Name	OJ990804_04.9C23.C52.o3.gs	Method	GENSCAN
Start	2220	End	2431
GI	none	Score	.51
Exons	2220..2289, 2316..2431		

Seq. No.	26216	Seq. ID	OJ990804_04.9C23.C58
Gene No.	54333	Strand	-
Start	910	End	1946
Name	OJ990804_04.9C23.C58.o1.gp	Method	AAT/GAP
Start	423	End	636
GI	4715993	Score	411
Exons	423..636		

Seq. No.	26216	Seq. ID	OJ990804_04.9C23.C58
Gene No.	54333	Strand	-
Start	910	End	1946
Name	OJ990804_04.9C23.C58.o1.tm	Method	TBLASTX:Maize
Start	546	End	1944
GI	none	Score	66
Exons	546..599, 549..596, 627..818, 640..819, 641..811, 919..1065, 920..1063, 921..1064, 1715..1816, 1719..1820, 1719..1817, 1914..1943, 1918..1944, 1921..1944		

Seq. No.	26216	Seq. ID	OJ990804_04.9C23.C58
Gene No.	54333	Strand	-
Start	910	End	1946
Name	OJ990804_04.9C23.C58.o1.tc	Method	TBLASTX:Cress
Start	638	End	1945
GI	none	Score	197
Exons	638..748, 640..819, 641..814, 658..819, 919..1065, 920..1063, 1715..1765, 1742..1816, 1922..1945		

Seq. No.	26216	Seq. ID	OJ990804_04.9C23.C58
Gene No.	54333	Strand	-
Start	910	End	1946
Name	OJ990804_04.9C23.C58.o1.np	Method	AAT/NAP

Start	643	End	1946
GI	3080425	Score	540
Exons	643..816, 922..1062, 1721..1816, 1922..1946		
GI Descrip.	(AL022604) putative protein [Arabidopsis thaliana]		

Seq. No.	26216	Seq. ID	OJ990804_04.9C23.C58
Gene No.	54333	Strand	-
Start	910	End	1946
Name	OJ990804_04.9C23.C58.o1.ts	Method	TBLASTX:Soybean
Start	685	End	1946
GI	none	Score	137
Exons	685..819, 686..814, 919..1065, 920..1063, 1598..1672, 1715..1816, 1719..1817, 1914..1946		

Seq. No.	26216	Seq. ID	OJ990804_04.9C23.C58
Gene No.	54333	Strand	-
Start	910	End	1946
Name	OJ990804_04.9C23.C58.o1.gs	Method	GENSCAN
Start	910	End	1816
GI	none	Score	.78
Exons	910..1062, 1721..1816		

Seq. No.	26216	Seq. ID	OJ990804_04.9C23.C58
Gene No.	54333	Strand	-
Start	910	End	1946
Name	OJ990804_04.9C23.C58.o3.gp	Method	AAT/GAP
Start	931	End	1946
GI	13608_1.R1084	Score	448
Exons	931..1062, 1721..1816, 1922..1946		
GI Descrip.	'3080425/emb|CAA18744.1| 6.0e-85 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54334	Strand	+
Start	4317	End	5108
Name	OJ990804_04.9C23.C59.o2.gs	Method	GENSCAN
Start	4317	End	5026
GI	none	Score	.67
Exons	4317..4398, 4439..4522, 4608..4669, 4674..4806, 4915..5026		

Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54334	Strand	+
Start	4317	End	5108
Name	OJ990804_04.9C23.C59.o2.np	Method	AAT/NAP
Start	4317	End	5108
GI	6573710	Score	235
Exons	4317..4364, 4439..4522, 4674..4829, 4879..4980, 5025..5108		
GI Descrip.	(AC009978) T23E18.19 [Arabidopsis thaliana]		

Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54335	Strand	-
Start	1	End	1048
Name	OJ990804_04.9C23.C59.o1.gp	Method	AAT/GAP
Start	1	End	482
GI	13608_1.R1084	Score	392
Exons	1..178, 415..482		
GI Descrip.	'3080425/emb|CAA18744.1| 6.0e-85 (AL022604) putative protein		

[Arabidopsis thaliana]'

Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54335	Strand	-
Start	1	End	1048
Name	OJ990804_04.9C23.C59.o1.np	Method	AAT/NAP
Start	1	End	1036
GI	3080425	Score	674
Exons	1..178, 415..513, 602..823, 863..1036		
GI Descrip.	(AL022604) putative protein [Arabidopsis thaliana]		

Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54335	Strand	-
Start	1	End	1048
Name	OJ990804_04.9C23.C59.o2.ts	Method	TBLASTX:Soybean
Start	2	End	137
GI	none	Score	139
Exons	2..136, 3..137		

Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54335	Strand	-
Start	1	End	1048
Name	OJ990804_04.9C23.C59.o3.tc	Method	TBLASTX:Cress
Start	2	End	131
GI	none	Score	127
Exons	2..130, 3..131		

Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54335	Strand	-
Start	1	End	1048
Name	OJ990804_04.9C23.C59.o1.gs	Method	GENSCAN
Start	415	End	1048
GI	none	Score	.6
Exons	415..513, 602..828, 916..1048		

Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54335	Strand	-
Start	1	End	1048
Name	OJ990804_04.9C23.C59.o1.ts	Method	TBLASTX:Soybean
Start	421	End	781
GI	none	Score	127
Exons	421..513, 422..514, 593..751, 594..770, 602..781		

Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54335	Strand	-
Start	1	End	1048
Name	OJ990804_04.9C23.C59.o1.tc	Method	TBLASTX:Cress
Start	487	End	823
GI	none	Score	209
Exons	487..513, 594..797, 602..823		

Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54335	Strand	-
Start	1	End	1048
Name	OJ990804_04.9C23.C59.o1.tm	Method	TBLASTX:Maize
Start	569	End	828
GI	none	Score	292

Exons	569..826, 579..824, 593..826, 745..828		
Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54336	Strand	
Start	4313	End	5030
Name	OJ990804_04.9C23.C59.o2.tm	Method	TBLASTX:Maize
Start	4313	End	5025
GI	none	Score	68
Exons	4313..4366, 4313..4366, 4317..4388, 4436..4534, 4438..4497, 4673..4807, 4674..4811, 4890..5024, 4918..5025, 4928..5023		
Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54336	Strand	
Start	4313	End	5030
Name	OJ990804_04.9C23.C59.o3.ts	Method	TBLASTX:Soybean
Start	4436	End	5024
GI	none	Score	119
Exons	4436..4534, 4668..4811, 4674..4811, 4890..4964, 4968..5024		
Seq. No.	26217	Seq. ID	OJ990804_04.9C23.C59
Gene No.	54336	Strand	
Start	4313	End	5030
Name	OJ990804_04.9C23.C59.o2.tc	Method	TBLASTX:Cress
Start	4454	End	5030
GI	none	Score	69
Exons	4454..4525, 4683..4811, 4706..4813, 4914..5027, 4926..5030		
Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54337	Strand	+
Start	209	End	3265
Name	OJ990804_04.9C23.C60.o1.np	Method	AAT/NAP
Start	209	End	2015
GI	6554492	Score	490
Exons	209..265, 446..573, 682..758, 1191..1272, 1355..1400, 1490..1560, 1638..1711, 1796..1854, 1977..2015		
GI Descrip.	(AC012394) putative WD-repeat protein [Arabidopsis thaliana]		
Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54337	Strand	+
Start	209	End	3265
Name	OJ990804_04.9C23.C60.o1.gs	Method	GENSCAN
Start	682	End	3265
GI	none	Score	.77
Exons	682..751, 1490..1560, 1638..1711, 1977..2069, 2118..2208, 2340..2425, 3096..3265		
Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54337	Strand	+
Start	209	End	3265
Name	OJ990804_04.9C23.C60.o1.gp	Method	AAT/GAP
Start	1214	End	2265
GI	LIB3432-008-P1-K1-D11	Score	746
Exons	1214..1272, 1490..1560, 1638..1711, 1796..1854, 1977..2038, 2142..2265		
GI Descrip.	'4539347/emb|CAB37495.1| 2.0e-45 (AL035539) putative growth regulator protein [Arabidopsis thaliana]'		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54338	Strand	+
Start	3690	End	7704
Name	OJ990804_04.9C23.C60.o2.np	Method	AAT/NAP
Start	3509	End	7701
GI	6554491	Score	1462
Exons	3509..3730, 4544..4611, 4782..4858, 5080..5168, 5265..5448, 5703..5884, 6597..6699, 6794..7125, 7212..7478, 7515..7701		
GI Descrip.	(AC012394) putative auxin-independent growth promoter [Arabidopsis thaliana]		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54338	Strand	+
Start	3690	End	7704
Name	OJ990804_04.9C23.C60.o2.gs	Method	GENSCAN
Start	3690	End	7704
GI	none	Score	.74
Exons	3690..3875, 3961..4029, 5080..5168, 5265..5448, 5703..5884, 6597..6699, 6794..7125, 7212..7704		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54338	Strand	+
Start	3690	End	7704
Name	OJ990804_04.9C23.C60.o3.gp	Method	AAT/GAP
Start	5727	End	6912
GI	426588	Score	705
Exons	5727..5884, 6597..6699, 6794..6912		
GI Descrip.	4539347/emb|CAB37495.1| 2.0e-45 (AL035539) putative growth regulator protein [Arabidopsis thaliana]		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54339	Strand	+
Start	10256	End	10648
Name	OJ990804_04.9C23.C60.o3.np	Method	AAT/NAP
Start	10256	End	10648
GI	2160179	Score	113
Exons	10256..10419, 10630..10648		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54340	Strand	-
Start	2325	End	2627
Name	OJ990804_04.9C23.C60.o2.gp	Method	AAT/GAP
Start	2325	End	2627
GI	569061	Score	572
Exons	2325..2627		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54341	Strand	-
Start	8900	End	9196
Name	OJ990804_04.9C23.C60.o3.gs	Method	GENSCAN
Start	8900	End	9196
GI	none	Score	.75
Exons	8900..9196		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54342	Strand	-

Start	9855	End	10396
Name	OJ990804_04.9C23.C60.o4.tm	Method	TBLASTX:Maize
Start	160	End	601
GI	none	Score	192
Exons	160..267, 161..268, 443..520, 521..601	445..534, 445..534, 520..570,	

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54342	Strand	-
Start	9855	End	10396
Name	OJ990804_04.9C23.C60.o2.tm	Method	TBLASTX:Maize
Start	690	End	1560
GI	none	Score	77
Exons	690..746, 691..741, 692..763, 1187..1273, 1353..1400, 1356..1391, 1478..1546, 1480..1560, 1483..1533, 1490..1546	1185..1235, 1186..1272,	

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54342	Strand	-
Start	9855	End	10396
Name	OJ990804_04.9C23.C60.o3.tc	Method	TBLASTX:Cress
Start	1244	End	2018
GI	none	Score	41
Exons	1244..1273, 1359..1391, 1490..1528, 1636..1713, 1789..1857, 1959..2018		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54342	Strand	-
Start	9855	End	10396
Name	OJ990804_04.9C23.C60.o1.ts	Method	TBLASTX:Soybean
Start	4548	End	7491
GI	none	Score	72
Exons	4548..4607, 4784..4861, 4789..4917, 5079..5168, 5080..5166, 5259..5312, 5263..5358, 5356..5448, 5373..5447, 5699..5752, 5706..5765, 5754..5888, 5761..5871, 6570..6629, 6594..6695, 6595..6699, 6595..6702, 6796..7125, 6800..7126, 7011..7187, 7201..7410, 7210..7491		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54342	Strand	-
Start	9855	End	10396
Name	OJ990804_04.9C23.C60.o3.tm	Method	TBLASTX:Maize
Start	5329	End	5802
GI	none	Score	204
Exons	5329..5451, 5329..5448, 5349..5453, 5699..5800, 5703..5801, 5704..5802, 5707..5802		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54342	Strand	-
Start	9855	End	10396
Name	OJ990804_04.9C23.C60.o2.tc	Method	TBLASTX:Cress
Start	6595	End	7093
GI	none	Score	89
Exons	6595..6681, 6800..7093, 6802..7086		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54342	Strand	-

Start	9855	End	10396
Name	OJ990804_04.9C23.C60.o1.tm	Method	TBLASTX:Maize
Start	6811	End	7359
GI	none	Score	531
Exons	6811..7128, 6812..7141, 7170..7352, 7173..7340, 7186..7347, 7187..7348, 7192..7359		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54342	Strand	-
Start	9855	End	10396
Name	OJ990804_04.9C23.C60.o1.tc	Method	TBLASTX:Cress
Start	7100	End	7494
GI	none	Score	42
Exons	7100..7126, 7200..7340, 7210..7494, 7210..7428		

Seq. No.	26218	Seq. ID	OJ990804_04.9C23.C60
Gene No.	54342	Strand	-
Start	9855	End	10396
Name	OJ990804_04.9C23.C60.o4.gs	Method	GENSCAN
Start	9855	End	10396
GI	none	Score	.45
Exons	9855..10083, 10134..10209, 10330..10396		

Seq. No.	26219	Seq. ID	OJ990804_04.9C23.C61
Gene No.	54343	Strand	+
Start	1	End	2813
Name	OJ990804_04.9C23.C61.o1.np	Method	AAT/NAP
Start	1	End	2807
GI	2160180	Score	1550
Exons	1..35, 161..530, 620..805, 877..1041, 1205..1311, 1439..1529, 1662..1807, 1851..2038, 2092..2247, 2330..2453, 2574..2807		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	26219	Seq. ID	OJ990804_04.9C23.C61
Gene No.	54343	Strand	+
Start	1	End	2813
Name	OJ990804_04.9C23.C61.o1.gs	Method	GENSCAN
Start	326	End	2813
GI	none	Score	.83
Exons	326..530, 620..790, 886..1041, 1205..1311, 1439..1529, 1867..2036, 2131..2247, 2327..2453, 2574..2813		

Seq. No.	26219	Seq. ID	OJ990804_04.9C23.C61
Gene No.	54344	Strand	-
Start	5251	End	5582
Name	OJ990804_04.9C23.C61.o2.ts	Method	TBLASTX:Soybean
Start	1	End	748
GI	none	Score	51
Exons	1..36, 3..53, 158..253, 159..257, 162..284, 381..527, 381..494, 610..657, 617..652, 658..744, 659..748, 659..748		

Seq. No.	26219	Seq. ID	OJ990804_04.9C23.C61
Gene No.	54344	Strand	-
Start	5251	End	5582
Name	OJ990804_04.9C23.C61.o1.tm	Method	TBLASTX:Maize
Start	1764	End	2435
GI	none	Score	58

Exons	1764..1805, 1766..1804, 1873..2046, 1875..2027, 1875..2078, 1876..2031, 2128..2247, 2129..2248, 2130..2249, 2323..2424, 2325..2435, 2331..2426		
Seq. No.	26219	Seq. ID	OJ990804_04.9C23.C61
Gene No.	54344	Strand	-
Start	5251	End	5582
Name	OJ990804_04.9C23.C61.o1.ts	Method	TBLASTX:Soybean
Start	1903	End	2669
GI	none	Score	214
Exons	1903..2037, 1903..2037, 1905..2039, 2128..2229, 2129..2248, 2325..2456, 2571..2669, 2576..2665		
Seq. No.	26219	Seq. ID	OJ990804_04.9C23.C61
Gene No.	54344	Strand	-
Start	5251	End	5582
Name	OJ990804_04.9C23.C61.o2.tm	Method	TBLASTX:Maize
Start	2574	End	2807
GI	none	Score	374
Exons	2574..2807, 2574..2798, 2579..2806		
Seq. No.	26219	Seq. ID	OJ990804_04.9C23.C61
Gene No.	54344	Strand	-
Start	5251	End	5582
Name	OJ990804_04.9C23.C61.o1.tc	Method	TBLASTX:Cress
Start	2609	End	2801
GI	none	Score	235
Exons	2609..2782, 2610..2801		
Seq. No.	26219	Seq. ID	OJ990804_04.9C23.C61
Gene No.	54344	Strand	-
Start	5251	End	5582
Name	OJ990804_04.9C23.C61.o3.gs	Method	GENSCAN
Start	5251	End	5582
GI	none	Score	.87
Exons	5251..5423, 5542..5582		
Seq. No.	26220	Seq. ID	OJ991015_10.0118.C1
Gene No.	54345	Strand	+
Start	754	End	966
Name	OJ991015_10.0118.C1.o1.gs	Method	GENSCAN
Start	754	End	966
GI	none	Score	.61
Exons	754..966		
Seq. No.	26221	Seq. ID	OJ991015_10.0118.C2
Gene No.	54346	Strand	+
Start	708	End	5550
Name	OJ991015_10.0118.C2.o1.np	Method	AAT/NAP
Start	708	End	3496
GI	5104687	Score	40
Exons	708..760, 3126..3268, 3389..3496		
GI Descrip.	(AP000060) 229aa long hypothetical protein [Aeropyrum pernix]		
Seq. No.	26221	Seq. ID	OJ991015_10.0118.C2
Gene No.	54346	Strand	+
Start	708	End	5550

Name	OJ991015_10.0118.C2.o2.np	Method	AAT/NAP
Start	2777	End	5550
GI	4567250	Score	106
Exons	2777..2876, 4574..4720, 5275..5363, 5530..5550		
GI Descrip.	(AC007070) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26221	Seq. ID	OJ991015_10.0118.C2
Gene No.	54346	Strand	+
Start	708	End	5550
Name	OJ991015_10.0118.C2.o1.gp	Method	AAT/GAP
Start	3267	End	5370
GI	none	Score	963
Exons	3267..3495, 4527..4720, 5275..5370		

Seq. No.	26221	Seq. ID	OJ991015_10.0118.C2
Gene No.	54346	Strand	+
Start	708	End	5550
Name	OJ991015_10.0118.C2.o1.gs	Method	GENSCAN
Start	3366	End	4720
GI	none	Score	.55
Exons	3366..3495, 4527..4720		

Seq. No.	26222	Seq. ID	OJ991015_10.0118.C3
Gene No.	54347	Strand	+
Start	1	End	2626
Name	OJ991015_10.0118.C3.o1.np	Method	AAT/NAP
Start	1	End	2626
GI	6714320	Score	461
Exons	1..129, 858..1138, 1300..1650, 2561..2626		
GI Descrip.	(AC016972) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26222	Seq. ID	OJ991015_10.0118.C3
Gene No.	54347	Strand	+
Start	1	End	2626
Name	OJ991015_10.0118.C3.o1.gs	Method	GENSCAN
Start	71	End	2619
GI	none	Score	.47
Exons	71..129, 835..1138, 1300..1401, 1450..1614, 2228..2317, 2479..2619		

Seq. No.	26222	Seq. ID	OJ991015_10.0118.C3
Gene No.	54348	Strand	+
Start	2926	End	8405
Name	OJ991015_10.0118.C3.o2.np	Method	AAT/NAP
Start	2926	End	8405
GI	5042463	Score	95
Exons	2926..3156, 4762..4963, 5624..5679, 6919..7047, 7604..7675, 8330..8405		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	26222	Seq. ID	OJ991015_10.0118.C3
Gene No.	54349	Strand	+
Start	10416	End	10516
Name	OJ991015_10.0118.C3.o1.gp	Method	AAT/GAP
Start	10416	End	10516
GI	none	Score	182
Exons	10416..10516		

Seq. No.	26222	Seq. ID	OJ991015_10.0118.C3
Gene No.	54350	Strand	-
Start	3001	End	4969
Name	OJ991015_10.0118.C3.o2.gs	Method	GENSCAN
Start	3001	End	4969
GI	none	Score	.52
Exons	3001..3055, 3121..3261, 3914..4007, 4906..4969		

Seq. No.	26222	Seq. ID	OJ991015_10.0118.C3
Gene No.	54351	Strand	-
Start	5684	End	9716
Name	OJ991015_10.0118.C3.o1.tm	Method	TBLASTX:Maize
Start	68	End	1665
GI	none	Score	70
Exons	68..130, 72..131, 246..290, 358..450, 364..435, 830..1138, 832..1137, 1291..1662, 1299..1664, 1300..1518, 1496..1663, 1588..1665		

Seq. No.	26222	Seq. ID	OJ991015_10.0118.C3
Gene No.	54351	Strand	-
Start	5684	End	9716
Name	OJ991015_10.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	938	End	1646
GI	none	Score	64
Exons	968..1051, 1031..1141, 1297..1509, 1578..1646		

Seq. No.	26222	Seq. ID	OJ991015_10.0118.C3
Gene No.	54351	Strand	-
Start	5684	End	9716
Name	OJ991015_10.0118.C3.o3.gs	Method	GENSCAN
Start	5684	End	9716
GI	none	Score	.43
Exons	5684..5813, 6951..7027, 7059..7208, 9630..9716		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54352	Strand	+
Start	647	End	2864
Name	OJ991015_10.0118.C4.o1.gs	Method	GENSCAN
Start	647	End	2864
GI	none	Score	.8
Exons	647..885, 1599..1670, 1826..1893, 2000..2150, 2751..2864		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54353	Strand	+
Start	3349	End	3750
Name	OJ991015_10.0118.C4.o1.gp	Method	AAT/GAP
Start	3349	End	3750
GI	uC-osrocyp034g09a1	Score	760
Exons	3349..3750		
GI Descrip.	'1518113 6.0e-13 (U66193) SLL2 [Brassica napus]'		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54354	Strand	+
Start	4599	End	4699
Name	OJ991015_10.0118.C4.o3.gp	Method	AAT/GAP
Start	4599	End	4699

GI	LIB3432-034-P2-K1-F1	Score	154
Exons	4599..4699		
GI Descrip.	'4760710/dbj|BAA77395.1| 3.0e-31 (AB012867) SLL2-S9-protein [Brassica rapa]'		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54355	Strand	+
Start	9899	End	14279
Name	OJ991015_10.0118.C4.o4.gs	Method	GENSCAN
Start	9899	End	13927
GI	none	Score	.75
Exons	9899..9907, 10695..10858, 10887..10915, 10983..11063, 11310..11791, 12422..12637, 12720..13088, 13429..13656, 13766..13927		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54355	Strand	+
Start	9899	End	14279
Name	OJ991015_10.0118.C4.o3.np	Method	AAT/NAP
Start	11018	End	14279
GI	6685541	Score	2075
Exons	11018..11063, 11310..11791, 12422..12637, 12720..13118, 13429..13656, 13766..13934, 14245..14279		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 10 (EIF-3 THETA) (EUKARYOTIC TRANSLATION INITIATION FACTOR 3 LARGE SUBUNIT) gi|5106764|gb|AAD39834.1|AF073329_1 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54355	Strand	+
Start	9899	End	14279
Name	OJ991015_10.0118.C4.o4.gp	Method	AAT/GAP
Start	11418	End	11910
GI	94015_1.R1084	Score	680
Exons	11418..11791, 11848..11910		
GI Descrip.	'5106764/gb|AAD39834.1|AF073329_1 2.0e-32 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]'		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54355	Strand	+
Start	9899	End	14279
Name	OJ991015_10.0118.C4.o5.gp	Method	AAT/GAP
Start	12520	End	12913
GI	2427680	Score	588
Exons	12520..12637, 12720..12913		
GI Descrip.	5106764/gb|AAD39834.1|AF073329_1 6.0e-50 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54355	Strand	+
Start	9899	End	14279
Name	OJ991015_10.0118.C4.o6.gp	Method	AAT/GAP
Start	13515	End	13930
GI	LIB3474-002-P1-K1-G3	Score	566
Exons	13515..13656, 13766..13930		
GI Descrip.	'5106764/gb|AAD39834.1|AF073329_1 2.0e-42 (AF073329) eukaryotic		

translation initiation factor 3 large subunit [Zea mays]'

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54356	Strand	-
Start	3535	End	6489
Name	OJ991015_10.0118.C4.o2.gs	Method	GENSCAN
Start	3535	End	6489
GI	none	Score	.97
Exons	3535..3732, 4018..4069, 4257..4360, 4601..4697, 5277..5411, 5841..5969, 6176..6489		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54356	Strand	-
Start	3535	End	6489
Name	OJ991015_10.0118.C4.o1.np	Method	AAT/NAP
Start	3607	End	6489
GI	1669601	Score	534
Exons	3607..3732, 4018..4069, 4257..4360, 4601..4697, 5277..5412, 5839..5969, 6233..6489		
GI Descrip.	(D88747) AR401 [Arabidopsis thaliana]		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54356	Strand	-
Start	3535	End	6489
Name	OJ991015_10.0118.C4.o2.gp	Method	AAT/GAP
Start	4208	End	4701
GI	LIB3432-034-P2-K1-F1	Score	353
Exons	4208..4360, 4601..4701		
GI Descrip.	'4760710/dbj|BAA77395.1| 3.0e-31 (AB012867) SLL2-S9-protein [Brassica rapa]'		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54357	Strand	-
Start	8034	End	8645
Name	OJ991015_10.0118.C4.o4.ts	Method	TBLASTX:Soybean
Start	1623	End	2338
GI	none	Score	87
Exons	1623..1670, 1625..1663, 1823..1894, 1825..1893, 1995..2162, 1997..2059, 2273..2338		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54357	Strand	-
Start	8034	End	8645
Name	OJ991015_10.0118.C4.o3.tm	Method	TBLASTX:Maize
Start	2263	End	2736
GI	none	Score	142
Exons	2263..2355, 2265..2354, 2445..2549, 2466..2549, 2467..2556, 2678..2698, 2716..2736		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54357	Strand	-
Start	8034	End	8645
Name	OJ991015_10.0118.C4.o2.tm	Method	TBLASTX:Maize
Start	3508	End	6499
GI	none	Score	141
Exons	3508..3651, 3513..3650, 3521..3652, 3646..3732, 3647..3733, 3649..3741, 3978..4070, 4006..4071, 4007..4072, 4256..4345,		

4257..4367, 4258..4359, 4583..4696, 4584..4697, 4585..4698,
4598..4702, 5256..5411, 5267..5410, 5269..5412, 5838..5903,
5840..5929, 5840..5902, 5890..5970, 5906..5971, 5908..5973,
5910..5972, 6289..6381, 6293..6382, 6430..6480, 6431..6499,
6440..6490

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54357	Strand	-
Start	8034	End	8645
Name	OJ991015_10.0118.C4.o3.gs	Method	GENSCAN
Start	8034	End	8639
GI	none	Score	1
Exons	8034..8639		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54357	Strand	-
Start	8034	End	8645
Name	OJ991015_10.0118.C4.o2.np	Method	AAT/NAP
Start	8055	End	8546
GI	2464858	Score	101
Exons	8055..8149, 8197..8546		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana]		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54357	Strand	-
Start	8034	End	8645
Name	OJ991015_10.0118.C4.o4.tm	Method	TBLASTX:Maize
Start	8478	End	8645
GI	none	Score	101
Exons	8478..8600, 8479..8568, 8572..8637, 8572..8640, 8577..8645		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54358	Strand	
Start	10931	End	13929
Name	OJ991015_10.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	10931	End	13929
GI	none	Score	74
Exons	10931..11056, 11018..11062, 11271..11582, 11291..11797, 11307..11813, 11308..11790, 11318..11797, 12421..12648, 12422..12637, 12424..12639, 12700..12996, 12702..13031, 12702..13031, 12999..13100, 13002..13106, 13040..13108, 13182..13208, 13418..13657, 13428..13667, 13429..13656, 13754..13921, 13765..13920, 13778..13927, 13789..13929		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54358	Strand	
Start	10931	End	13929
Name	OJ991015_10.0118.C4.o2.tc	Method	TBLASTX:Cress
Start	11018	End	11608
GI	none	Score	66
Exons	11018..11062, 11290..11571, 11291..11584, 11312..11608		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54358	Strand	
Start	10931	End	13929
Name	OJ991015_10.0118.C4.o2.ts	Method	TBLASTX:Soybean
Start	11018	End	11710

GI	none	Score	61
Exons	11018..11062, 11290..11709, 11291..11710		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54358	Strand	
Start	10931	End	13929
Name	OJ991015_10.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	12436	End	13106
GI	none	Score	339
Exons	12436..12639, 12437..12637, 12439..12651, 12643..13044, 12692..13084, 12705..13088, 12712..12900, 12717..13106		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54358	Strand	
Start	10931	End	13929
Name	OJ991015_10.0118.C4.o1.tc	Method	TBLASTX:Cress
Start	12464	End	12875
GI	none	Score	283
Exons	12464..12637, 12465..12638, 12466..12645, 12466..12648, 12702..12872, 12704..12874, 12717..12875		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54358	Strand	
Start	10931	End	13929
Name	OJ991015_10.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	12702	End	13034
GI	none	Score	461
Exons	12702..13034, 12704..12886, 12717..13031		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54358	Strand	
Start	10931	End	13929
Name	OJ991015_10.0118.C4.o2.tw	Method	TBLASTX:Wheat
Start	13035	End	13860
GI	none	Score	89
Exons	13035..13094, 13035..13091, 13049..13105, 13072..13110, 13182..13208, 13428..13655, 13429..13656, 13430..13663, 13739..13858, 13754..13858, 13762..13860, 13765..13860		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54358	Strand	
Start	10931	End	13929
Name	OJ991015_10.0118.C4.o3.ts	Method	TBLASTX:Soybean
Start	13428	End	13924
GI	none	Score	79
Exons	13428..13661, 13428..13658, 13429..13668, 13582..13668, 13754..13924, 13783..13917		

Seq. No.	26223	Seq. ID	OJ991015_10.0118.C4
Gene No.	54358	Strand	
Start	10931	End	13929
Name	OJ991015_10.0118.C4.o3.tc	Method	TBLASTX:Cress
Start	13432	End	13929
GI	none	Score	220
Exons	13432..13659, 13437..13658, 13460..13669, 13754..13927, 13762..13929, 13792..13923		

Seq. No.	26224	Seq. ID	OJ991015_10.0118.C5
Gene No.	54359	Strand	+
Start	360	End	648
Name	OJ991015_10.0118.C5.o1.gp	Method	AAT/GAP
Start	360	End	646
GI	17993_1.R1084	Score	278
Exons	360..383, 489..646		
GI Descrip.	'5106764/gb|AAD39834.1|AF073329_1 6.0e-50 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]'		

Seq. No.	26224	Seq. ID	OJ991015_10.0118.C5
Gene No.	54359	Strand	+
Start	360	End	648
Name	OJ991015_10.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	412	End	648
GI	none	Score	229
Exons	412..648, 413..643		

Seq. No.	26224	Seq. ID	OJ991015_10.0118.C5
Gene No.	54359	Strand	+
Start	360	End	648
Name	OJ991015_10.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	424	End	648
GI	none	Score	307
Exons	424..648, 425..646		

Seq. No.	26224	Seq. ID	OJ991015_10.0118.C5
Gene No.	54359	Strand	+
Start	360	End	648
Name	OJ991015_10.0118.C5.o1.np	Method	AAT/NAP
Start	425	End	646
GI	6685541	Score	254
Exons	425..646		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 10 (EIF-3 THETA) (EUKARYOTIC TRANSLATION INITIATION FACTOR 3 LARGE SUBUNIT) gi|5106764|gb|AAD39834.1|AF073329_1 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]		

Seq. No.	26224	Seq. ID	OJ991015_10.0118.C5
Gene No.	54359	Strand	+
Start	360	End	648
Name	OJ991015_10.0118.C5.o1.gs	Method	GENSCAN
Start	425	End	646
GI	none	Score	.78
Exons	425..646		

Seq. No.	26225	Seq. ID	OJ991015_10.0118.C6
Gene No.	54360	Strand	+
Start	1	End	2326
Name	OJ991015_10.0118.C6.o1.np	Method	AAT/NAP
Start	1	End	2259
GI	6685541	Score	915
Exons	1..37, 272..475, 565..645, 1026..1229, 1756..2259		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 10 (EIF-3 THETA) (EUKARYOTIC TRANSLATION INITIATION FACTOR 3 LARGE SUBUNIT) gi|5106764|gb|AAD39834.1|AF073329_1 (AF073329)		

eukaryotic translation initiation factor 3 large subunit [Zea mays]

Seq. No.	26225	Seq. ID	OJ991015_10.0118.C6
Gene No.	54360	Strand	+
Start	1	End	2326
Name	OJ991015_10.0118.C6.o1.gp	Method	AAT/GAP
Start	272	End	2261
GI	17993_1.R1084	Score	1800
Exons	272..475, 565..645, 1026..1227, 1754..2261		
GI Descrip.	'5106764/gb|AAD39834.1|AF073329_1 6.0e-50 (AF073329) eukaryotic translation initiation factor 3 large subunit [Zea mays]'		

Seq. No.	26225	Seq. ID	OJ991015_10.0118.C6
Gene No.	54360	Strand	+
Start	1	End	2326
Name	OJ991015_10.0118.C6.o1.gs	Method	GENSCAN
Start	272	End	2326
GI	none	Score	.62
Exons	272..475, 565..645, 1026..1197, 1754..1999, 2043..2293, 2315..2326		

Seq. No.	26225	Seq. ID	OJ991015_10.0118.C6
Gene No.	54361	Strand	+
Start	3336	End	4004
Name	OJ991015_10.0118.C6.o2.gp	Method	AAT/GAP
Start	3336	End	4004
GI	none	Score	242
Exons	3336..3428, 3950..4004		

Seq. No.	26225	Seq. ID	OJ991015_10.0118.C6
Gene No.	54362	Strand	-
Start	3650	End	3781
Name	OJ991015_10.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	271	End	1233
GI	none	Score	289
Exons	271..426, 272..475, 306..488, 565..645, 567..644, 568..645, 1018..1227, 1023..1169, 1093..1233		

Seq. No.	26225	Seq. ID	OJ991015_10.0118.C6
Gene No.	54362	Strand	-
Start	3650	End	3781
Name	OJ991015_10.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	271	End	478
GI	none	Score	253
Exons	271..426, 272..475, 321..473, 368..478		

Seq. No.	26225	Seq. ID	OJ991015_10.0118.C6
Gene No.	54362	Strand	-
Start	3650	End	3781
Name	OJ991015_10.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	272	End	1227
GI	none	Score	232
Exons	272..472, 277..423, 368..472, 565..645, 567..632, 1023..1166, 1114..1227		

Seq. No.	26225	Seq. ID	OJ991015_10.0118.C6

Gene No.	54362	Strand	-
Start	3650	End	3781
Name	OJ991015_10.0118.C6.o2.gs	Method	GENSCAN
Start	3650	End	3781
GI	none	Score	1
Exons	3650..3781		

Seq. No.	26226	Seq. ID	OJ991015_10.0118.C7
Gene No.	54363	Strand	-
Start	1295	End	2717
Name	OJ991015_10.0118.C7.o1.gs	Method	GENSCAN
Start	1295	End	2717
GI	none	Score	.57
Exons	1295..1356, 1699..1778, 2458..2540, 2700..2717		

Seq. No.	26227	Seq. ID	OJ991015_10.0118.C8
Gene No.	54364	Strand	+
Start	2112	End	3092
Name	OJ991015_10.0118.C8.o2.gs	Method	GENSCAN
Start	2112	End	2790
GI	none	Score	.54
Exons	2112..2166, 2717..2790		

Seq. No.	26227	Seq. ID	OJ991015_10.0118.C8
Gene No.	54364	Strand	+
Start	2112	End	3092
Name	OJ991015_10.0118.C8.o1.gp	Method	AAT/GAP
Start	2584	End	3092
GI	38782_1.R1084	Score	766
Exons	2584..3092		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	26227	Seq. ID	OJ991015_10.0118.C8
Gene No.	54365	Strand	-
Start	1	End	1096
Name	OJ991015_10.0118.C8.o1.np	Method	AAT/NAP
Start	1	End	1096
GI	6907086	Score	862
Exons	1..73, 117..277, 338..1096		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	26227	Seq. ID	OJ991015_10.0118.C8
Gene No.	54365	Strand	-
Start	1	End	1096
Name	OJ991015_10.0118.C8.o1.gs	Method	GENSCAN
Start	337	End	854
GI	none	Score	.91
Exons	337..481, 520..854		

Seq. No.	26227	Seq. ID	OJ991015_10.0118.C8
Gene No.	54366	Strand	-
Start	1803	End	5345
Name	OJ991015_10.0118.C8.o2.np	Method	AAT/NAP
Start	1803	End	5345
GI	4680186	Score	210
Exons	1803..2221, 2779..2853, 5274..5345		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	26227	Seq. ID	OJ991015_10.0118.C8
Gene No.	54366	Strand	-
Start	1803	End	5345
Name	OJ991015_10.0118.C8.o3.gs	Method	GENSCAN
Start	4512	End	5048
GI	none	Score	.63
Exons	4512..4587, 4978..5048		

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54367	Strand	+
Start	9268	End	11664
Name	OJ991015_10.0118.C9.o2.gp	Method	AAT/GAP
Start	9268	End	9779
GI	uC-osf1M202052c07b1	Score	999
Exons	9268..9779		

GI Descrip. '4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54367	Strand	+
Start	9268	End	11664
Name	OJ991015_10.0118.C9.o2.np	Method	AAT/NAP
Start	9378	End	11664
GI	4234852	Score	910
Exons	9378..9554, 9588..11664		

GI Descrip. (AF082133) gag-pol polyprotein [Zea mays]

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54367	Strand	+
Start	9268	End	11664
Name	OJ991015_10.0118.C9.o3.gp	Method	AAT/GAP
Start	10011	End	10578
GI	uC-osf1cyp006a10b1	Score	816
Exons	10011..10222, 10330..10578		

GI Descrip. '4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54368	Strand	-
Start	3422	End	4557
Name	OJ991015_10.0118.C9.o1.np	Method	AAT/NAP
Start	3422	End	4557
GI	6815095	Score	656
Exons	3422..3814, 3854..4043, 4461..4557		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54369	Strand	-
Start	6194	End	7165
Name	OJ991015_10.0118.C9.o2.gs	Method	GENSCAN
Start	6194	End	7165
GI	none	Score	.87
Exons	6194..6665, 6697..6908, 7010..7165		

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54370	Strand	-
Start	10831	End	11160

Name	OJ991015_10.0118.C9.o1.tm	Method	TBLASTX:Maize
Start	9471	End	10467
GI	none	Score	475
Exons	9471..10049, 9593..10039, 9795..10073, 10327..10467		

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54370	Strand	-
Start	10831	End	11160
Name	OJ991015_10.0118.C9.o4.gs	Method	GENSCAN
Start	10831	End	11160
GI	none	Score	.59
Exons	10831..10858, 11101..11160		

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54371	Strand	
Start	11344	End	11664
Name	OJ991015_10.0118.C9.o1.ts	Method	TBLASTX:Soybean
Start	11344	End	11664
GI	none	Score	92
Exons	11344..11436, 11345..11452, 11479..11664, 11483..11662, 11568..11663		

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54371	Strand	
Start	11344	End	11664
Name	OJ991015_10.0118.C9.o2.tm	Method	TBLASTX:Maize
Start	11345	End	11644
GI	none	Score	238
Exons	11345..11644, 11431..11643		

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54371	Strand	
Start	11344	End	11664
Name	OJ991015_10.0118.C9.o1.tc	Method	TBLASTX:Cress
Start	11423	End	11662
GI	none	Score	224
Exons	11423..11662, 11425..11661		

Seq. No.	26228	Seq. ID	OJ991015_10.0118.C9
Gene No.	54371	Strand	
Start	11344	End	11664
Name	OJ991015_10.0118.C9.o1.tw	Method	TBLASTX:Wheat
Start	11464	End	11662
GI	none	Score	215
Exons	11464..11661, 11465..11662, 11465..11662		

Seq. No.	26229	Seq. ID	OJ991015_10.0118.C10
Gene No.	54372	Strand	+
Start	1	End	1160
Name	OJ991015_10.0118.C10.o1.np	Method	AAT/NAP
Start	1	End	1160
GI	4234852	Score	1293
Exons	1..1160		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	26229	Seq. ID	OJ991015_10.0118.C10
Gene No.	54372	Strand	+

Start	1	End	1160
Name	OJ991015_10.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	18	End	554
GI	none	Score	50
Exons	18..65, 61..144, 151..369, 179..415, 187..369, 348..554, 356..550		

Seq. No.	26229	Seq. ID	OJ991015_10.0118.C10
Gene No.	54372	Strand	+
Start	1	End	1160
Name	OJ991015_10.0118.C10.o1.gs	Method	GENSCAN
Start	194	End	662
GI	none	Score	.49
Exons	194..280, 355..662		

Seq. No.	26229	Seq. ID	OJ991015_10.0118.C10
Gene No.	54372	Strand	+
Start	1	End	1160
Name	OJ991015_10.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	360	End	644
GI	none	Score	233
Exons	360..644, 494..634		

Seq. No.	26229	Seq. ID	OJ991015_10.0118.C10
Gene No.	54372	Strand	+
Start	1	End	1160
Name	OJ991015_10.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	540	End	1106
GI	none	Score	78
Exons	540..692, 740..886, 915..1106		

Seq. No.	26229	Seq. ID	OJ991015_10.0118.C10
Gene No.	54372	Strand	+
Start	1	End	1160
Name	OJ991015_10.0118.C10.o2.tm	Method	TBLASTX:Maize
Start	668	End	1121
GI	none	Score	57
Exons	668..721, 694..714, 703..870, 704..895, 930..1121		

Seq. No.	26229	Seq. ID	OJ991015_10.0118.C10
Gene No.	54372	Strand	+
Start	1	End	1160
Name	OJ991015_10.0118.C10.o2.tw	Method	TBLASTX:Wheat
Start	713	End	1109
GI	none	Score	138
Exons	713..886, 745..885, 894..1109		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54373	Strand	+
Start	118	End	232
Name	OJ991015_10.0118.C11.o1.gs	Method	GENSCAN
Start	118	End	232
GI	none	Score	.92
Exons	118..232		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54374	Strand	+

Start	2078	End	2502
Name	OJ991015_10.0118.C11.o2.gs	Method	GENSCAN
Start	2078	End	2502
GI	none	Score	.94
Exons	2078..2209, 2329..2502		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54375	Strand	+
Start	11363	End	12840
Name	OJ991015_10.0118.C11.o1.np	Method	AAT/NAP
Start	11135	End	12840
GI	6907086	Score	1187
Exons	11135..11903, 11965..12151, 12378..12840		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54375	Strand	+
Start	11363	End	12840
Name	OJ991015_10.0118.C11.o5.gs	Method	GENSCAN
Start	11363	End	11884
GI	none	Score	.91
Exons	11363..11884		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54376	Strand	+
Start	25166	End	25587
Name	OJ991015_10.0118.C11.o1.gp	Method	AAT/GAP
Start	25166	End	25587
GI	none	Score	824
Exons	25166..25587		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54377	Strand	+
Start	27887	End	30100
Name	OJ991015_10.0118.C11.o8.gs	Method	GENSCAN
Start	27887	End	29502
GI	none	Score	.92
Exons	27887..28102, 28916..29026, 29356..29502		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54377	Strand	+
Start	27887	End	30100
Name	OJ991015_10.0118.C11.o3.np	Method	AAT/NAP
Start	28871	End	30100
GI	4038352	Score	135
Exons	28871..29026, 29356..29559, 30070..30100		
GI Descrip.	(AF098951) breast cancer resistance protein [Homo sapiens]		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54378	Strand	-
Start	2910	End	4013
Name	OJ991015_10.0118.C11.o3.gs	Method	GENSCAN
Start	2910	End	4013
GI	none	Score	.91
Exons	2910..3644, 3735..4013		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11

Gene No.	54379	Strand	-
Start	15918	End	17299
Name	OJ991015_10.0118.C11.o6.gs	Method	GENSCAN
Start	15918	End	17299
GI	none	Score	.69
Exons	15918..16655, 16961..17299		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54380	Strand	-
Start	18264	End	25582
Name	OJ991015_10.0118.C11.o7.gs	Method	GENSCAN
Start	18264	End	25582
GI	none	Score	.75
Exons	18264..18956, 19449..19631, 20578..20613, 20976..21076, 21769..21848, 22050..22318, 23388..23506, 25081..25582		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54380	Strand	-
Start	18264	End	25582
Name	OJ991015_10.0118.C11.o2.tm	Method	TBLASTX:Maize
Start	21535	End	22007
GI	none	Score	119
Exons	21535..21678, 21540..21665, 21553..21690, 21670..21705, 21704..21763, 21736..21765, 21737..21769, 21793..21816, 21836..21904, 21840..21905, 21840..21938, 21911..22006, 21912..22007, 21915..22007		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54380	Strand	-
Start	18264	End	25582
Name	OJ991015_10.0118.C11.o2.np	Method	AAT/NAP
Start	21920	End	25582
GI	6714316	Score	1101
Exons	21920..22428, 22508..22623, 22705..22780, 25081..25582		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54380	Strand	-
Start	18264	End	25582
Name	OJ991015_10.0118.C11.o4.ts	Method	TBLASTX:Soybean
Start	21923	End	25429
GI	none	Score	64
Exons	21923..22216, 21993..22082, 25286..25429		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54380	Strand	-
Start	18264	End	25582
Name	OJ991015_10.0118.C11.o1.tc	Method	TBLASTX:Cress
Start	21980	End	22342
GI	none	Score	99
Exons	21980..22162, 21981..22163, 22160..22285, 22169..22285, 22286..22342		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54380	Strand	-
Start	18264	End	25582
Name	OJ991015_10.0118.C11.o1.tm	Method	TBLASTX:Maize

Start	22009	End	22617
GI	none	Score	432
Exons	22009..22431, 22010..22432, 22010..22432, 22011..22433, 22490..22615, 22506..22616, 22507..22617		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54380	Strand	-
Start	18264	End	25582
Name	OJ991015_10.0118.C11.o1.ts	Method	TBLASTX:Soybean
Start	22180	End	25247
GI	none	Score	36
Exons	22180..22206, 22220..22285, 22269..22433, 22289..22432, 22290..22433, 22291..22434, 22506..22622, 22507..22617, 22684..22770, 22704..22781, 22704..22781, 25070..25246, 25089..25247		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54380	Strand	-
Start	18264	End	25582
Name	OJ991015_10.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	22286	End	22781
GI	none	Score	132
Exons	22286..22429, 22287..22430, 22287..22430, 22506..22619, 22701..22781, 22701..22781		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54380	Strand	-
Start	18264	End	25582
Name	OJ991015_10.0118.C11.o2.tc	Method	TBLASTX:Cress
Start	22343	End	22742
GI	none	Score	71
Exons	22343..22432, 22344..22433, 22506..22622, 22707..22742		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54381	Strand	
Start	28580	End	28960
Name	OJ991015_10.0118.C11.o2.ts	Method	TBLASTX:Soybean
Start	28580	End	28960
GI	none	Score	147
Exons	28580..28792, 28594..28647, 28693..28818, 28874..28960		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54382	Strand	
Start	29355	End	29499
Name	OJ991015_10.0118.C11.o3.tm	Method	TBLASTX:Maize
Start	29355	End	29499
GI	none	Score	202
Exons	29355..29489, 29356..29481, 29356..29499, 29364..29483		

Seq. No.	26230	Seq. ID	OJ991015_10.0118.C11
Gene No.	54382	Strand	
Start	29355	End	29499
Name	OJ991015_10.0118.C11.o3.ts	Method	TBLASTX:Soybean
Start	29355	End	29489
GI	none	Score	190
Exons	29355..29489, 29356..29481		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54383	Strand	+
Start	1	End	4584
Name	OJ991015_10.0118.C12.o1.np	Method	AAT/NAP
Start	1	End	4196
GI	4262239	Score	1232
Exons	1..51, 444..720, 1296..1427, 1604..1824, 1963..2175, 2276..2360, 2669..2825, 4157..4196		
GI Descrip.	(AC006200) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54383	Strand	+
Start	1	End	4584
Name	OJ991015_10.0118.C12.o1.gs	Method	GENSCAN
Start	161	End	2854
GI	none	Score	.83
Exons	161..216, 444..720, 1296..1427, 1604..1824, 1963..2175, 2276..2360, 2669..2854		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54383	Strand	+
Start	1	End	4584
Name	OJ991015_10.0118.C12.o2.np	Method	AAT/NAP
Start	3117	End	4584
GI	4262237	Score	199
Exons	3117..3151, 4227..4584		
GI Descrip.	(AC006200) unknown protein [Arabidopsis thaliana]		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54383	Strand	+
Start	1	End	4584
Name	OJ991015_10.0118.C12.o1.gp	Method	AAT/GAP
Start	4060	End	4457
GI	none	Score	759
Exons	4060..4457		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54384	Strand	+
Start	6772	End	11229
Name	OJ991015_10.0118.C12.o3.gs	Method	GENSCAN
Start	6772	End	11229
GI	none	Score	.54
Exons	6772..6826, 9952..10374, 11054..11229		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54384	Strand	+
Start	6772	End	11229
Name	OJ991015_10.0118.C12.o3.np	Method	AAT/NAP
Start	9415	End	10467
GI	4262237	Score	207
Exons	9415..9483, 9799..9879, 10150..10467		
GI Descrip.	(AC006200) unknown protein [Arabidopsis thaliana]		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54385	Strand	-
Start	4068	End	10341
Name	OJ991015_10.0118.C12.o1.tm	Method	TBLASTX:Maize

Start	1	End	1719
GI	none	Score	82
Exons	1..51, 2..52, 427..720, 429..725, 1293..1430, 1295..1429, 1295..1432, 1296..1451, 1598..1717, 1601..1717, 1603..1719, 1645..1719		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54385	Strand	-
Start	4068	End	10341
Name	OJ991015_10.0118.C12.o1.ts	Method	TBLASTX:Soybean
Start	556	End	2142
GI	none	Score	100
Exons	556..720, 661..723, 1295..1429, 1295..1429, 1296..1451, 1598..1825, 1601..1813, 1645..1869, 1897..2139, 1960..2142, 1961..2140		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54385	Strand	-
Start	4068	End	10341
Name	OJ991015_10.0118.C12.o1.tc	Method	TBLASTX:Cress
Start	1960	End	2360
GI	none	Score	344
Exons	1960..2175, 1961..2176, 2276..2323, 2277..2339, 2328..2360		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54385	Strand	-
Start	4068	End	10341
Name	OJ991015_10.0118.C12.o2.gs	Method	GENSCAN
Start	4068	End	4602
GI	none	Score	.46
Exons	4068..4346, 4393..4602		

Seq. No.	26231	Seq. ID	OJ991015_10.0118.C12
Gene No.	54385	Strand	-
Start	4068	End	10341
Name	OJ991015_10.0118.C12.o2.tm	Method	TBLASTX:Maize
Start	4266	End	10341
GI	none	Score	205
Exons	4266..4466, 4273..4467, 10033..10077, 10162..10212, 10270..10341		

Seq. No.	26232	Seq. ID	OJ991015_10.0118.C16
Gene No.	54386	Strand	-
Start	124	End	258
Name	OJ991015_10.0118.C16.o1.gs	Method	GENSCAN
Start	124	End	258
GI	none	Score	.61
Exons	124..258		

Seq. No.	26233	Seq. ID	OJ991015_10.0118.C17
Gene No.	54387	Strand	-
Start	63	End	173
Name	OJ991015_10.0118.C17.o1.gs	Method	GENSCAN
Start	63	End	173
GI	none	Score	.48
Exons	63..86, 111..173		

Seq. No.	26234	Seq. ID	OJ991215_15.0127.C4

Gene No.	54388	Strand	-
Start	126	End	272
Name	OJ991215_15.0127.C4.o1.gs	Method	GENSCAN
Start	126	End	272
GI	none	Score	.7
Exons	126..272		

Seq. No.	26235	Seq. ID	OJ991215_15.0127.C5
Gene No.	54389	Strand	-
Start	291	End	726
Name	OJ991215_15.0127.C5.o1.gs	Method	GENSCAN
Start	291	End	726
GI	none	Score	.47
Exons	291..563, 596..652, 663..726		

Seq. No.	26236	Seq. ID	OJ991215_15.0127.C7
Gene No.	54390	Strand	-
Start	574	End	669
Name	OJ991215_15.0127.C7.o1.gs	Method	GENSCAN
Start	574	End	669
GI	none	Score	.66
Exons	574..669		

Seq. No.	26237	Seq. ID	OJ991215_15.0127.C9
Gene No.	54391	Strand	-
Start	79	End	891
Name	OJ991215_15.0127.C9.o1.gs	Method	GENSCAN
Start	79	End	891
GI	none	Score	.47
Exons	79..229, 825..891		

Seq. No.	26238	Seq. ID	OJ991215_15.0127.C10
Gene No.	54392	Strand	+
Start	1	End	170
Name	OJ991215_15.0127.C10.o1.np	Method	AAT/NAP
Start	1	End	170
GI	5903070	Score	177
Exons	1..170		
GI Descrip.	(AC008017) Putative threonine synthase [Arabidopsis thaliana]		

Seq. No.	26238	Seq. ID	OJ991215_15.0127.C10
Gene No.	54393	Strand	+
Start	75	End	365
Name	OJ991215_15.0127.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	365
GI	none	Score	120
Exons	1..165, 2..166, 3..173, 285..356, 285..365		

Seq. No.	26238	Seq. ID	OJ991215_15.0127.C10
Gene No.	54393	Strand	+
Start	75	End	365
Name	OJ991215_15.0127.C10.o1.tc	Method	TBLASTX:Cress
Start	2	End	164
GI	none	Score	196
Exons	2..142, 3..155, 6..164		

Seq. No.	26238	Seq. ID	OJ991215_15.0127.C10

Gene No.	54393	Strand	+
Start	75	End	365
Name	OJ991215_15.0127.C10.o1.ts	Method	TBLASTX:Soybean
Start	2	End	164
GI	none	Score	218
Exons	2..145, 3..164		

Seq. No.	26238	Seq. ID	OJ991215_15.0127.C10
Gene No.	54393	Strand	+
Start	75	End	365
Name	OJ991215_15.0127.C10.o1.tw	Method	TBLASTX:Wheat
Start	2	End	173
GI	none	Score	96
Exons	2..58, 3..59, 60..173, 87..170, 89..172		

Seq. No.	26238	Seq. ID	OJ991215_15.0127.C10
Gene No.	54393	Strand	+
Start	75	End	365
Name	OJ991215_15.0127.C10.o1.gs	Method	GENSCAN
Start	75	End	275
GI	none	Score	.89
Exons	75..159, 250..275		

Seq. No.	26239	Seq. ID	OJ991215_15.0127.C11
Gene No.	54394	Strand	+
Start	534	End	1733
Name	OJ991215_15.0127.C11.o2.np	Method	AAT/NAP
Start	534	End	1733
GI	128191	Score	345
Exons	534..1021, 1660..1733		
GI Descrip.	NITRATE REDUCTASE [NAD(P)H] gi|66210|pir||RDBHNP nitrate reductase (NAD(P)H) (EC 1.6.6.2) - barley gi|19065|emb|CAA42739| (X60173) nitrate reductase (NAD(P)H) [Hordeum vulgare]		

Seq. No.	26239	Seq. ID	OJ991215_15.0127.C11
Gene No.	54395	Strand	-
Start	1	End	1559
Name	OJ991215_15.0127.C11.o1.np	Method	AAT/NAP
Start	1	End	566
GI	295825	Score	127
Exons	1..22, 409..566		
GI Descrip.	(X15819) nitrate reductase apoenzyme [Oryza sativa]		

Seq. No.	26239	Seq. ID	OJ991215_15.0127.C11
Gene No.	54395	Strand	-
Start	1	End	1559
Name	OJ991215_15.0127.C11.o1.gs	Method	GENSCAN
Start	197	End	1559
GI	none	Score	.69
Exons	197..264, 507..761, 811..924, 1556..1559		

Seq. No.	26239	Seq. ID	OJ991215_15.0127.C11
Gene No.	54395	Strand	-
Start	1	End	1559
Name	OJ991215_15.0127.C11.o1.tc	Method	TBLASTX:Cress
Start	413	End	978
GI	none	Score	92

Exons	413..481, 481..561, 483..560, 799..978, 806..976		
Seq. No.	26239	Seq. ID	OJ991215_15.0127.C11
Gene No.	54395	Strand	-
Start	1	End	1559
Name	OJ991215_15.0127.C11.o1.ts	Method	TBLASTX:Soybean
Start	413	End	979
GI	none	Score	53
Exons	413..481, 417..482, 445..558, 469..495, 481..561, 483..560, 719..766, 797..970, 799..969, 812..979		
Seq. No.	26240	Seq. ID	OJ991215_15.0127.C12
Gene No.	54396	Strand	-
Start	482	End	584
Name	OJ991215_15.0127.C12.o1.gs	Method	GENSCAN
Start	482	End	584
GI	none	Score	.79
Exons	482..584		
Seq. No.	26241	Seq. ID	OJ991215_15.0127.C13
Gene No.	54397	Strand	+
Start	496	End	1435
Name	OJ991215_15.0127.C13.o1.gs	Method	GENSCAN
Start	496	End	1435
GI	none	Score	.75
Exons	496..864, 942..1229, 1235..1435		
Seq. No.	26241	Seq. ID	OJ991215_15.0127.C13
Gene No.	54397	Strand	+
Start	496	End	1435
Name	OJ991215_15.0127.C13.o1.np	Method	AAT/NAP
Start	539	End	1307
GI	2190992	Score	569
Exons	539..864, 942..1307		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		
Seq. No.	26241	Seq. ID	OJ991215_15.0127.C13
Gene No.	54397	Strand	+
Start	496	End	1435
Name	OJ991215_15.0127.C13.o1.tm	Method	TBLASTX:Maize
Start	549	End	1311
GI	none	Score	46
Exons	549..584, 583..624, 591..686, 607..801, 612..794, 685..801, 771..803, 798..860, 799..861, 799..861, 801..863, 953..1309, 954..1310, 1002..1310, 1237..1311		
Seq. No.	26241	Seq. ID	OJ991215_15.0127.C13
Gene No.	54397	Strand	+
Start	496	End	1435
Name	OJ991215_15.0127.C13.o1.tw	Method	TBLASTX:Wheat
Start	597	End	1145
GI	none	Score	72
Exons	597..668, 607..801, 621..794, 781..861, 793..861, 953..1075, 954..1145, 1017..1130		
Seq. No.	26241	Seq. ID	OJ991215_15.0127.C13
Gene No.	54397	Strand	+

Start	496	End	1435
Name	OJ991215_15.0127.C13.o1.tc	Method	TBLASTX:Cress
Start	607	End	861
GI	none	Score	192
Exons	607..789, 685..780, 792..860, 793..861		

Seq. No.	26241	Seq. ID	OJ991215_15.0127.C13
Gene No.	54397	Strand	+
Start	496	End	1435
Name	OJ991215_15.0127.C13.o1.ts	Method	TBLASTX:Soybean
Start	607	End	1316
GI	none	Score	198
Exons	607..777, 687..776, 784..861, 984..1316, 1026..1298, 1115..1306		

Seq. No.	26241	Seq. ID	OJ991215_15.0127.C13
Gene No.	54397	Strand	+
Start	496	End	1435
Name	OJ991215_15.0127.C13.o2.tc	Method	TBLASTX:Cress
Start	984	End	1268
GI	none	Score	188
Exons	984..1268		

Seq. No.	26242	Seq. ID	OJ991215_15.0127.C14
Gene No.	54398	Strand	+
Start	1	End	548
Name	OJ991215_15.0127.C14.o1.np	Method	AAT/NAP
Start	1	End	536
GI	2190992	Score	321
Exons	1..61, 178..536		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	26242	Seq. ID	OJ991215_15.0127.C14
Gene No.	54398	Strand	+
Start	1	End	548
Name	OJ991215_15.0127.C14.o1.gs	Method	GENSCAN
Start	195	End	548
GI	none	Score	.75
Exons	195..548		

Seq. No.	26242	Seq. ID	OJ991215_15.0127.C14
Gene No.	54399	Strand	-
Start	1097	End	1201
Name	OJ991215_15.0127.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	573
GI	none	Score	63
Exons	1..48, 168..296, 252..539, 352..375, 375..539, 472..573		

Seq. No.	26242	Seq. ID	OJ991215_15.0127.C14
Gene No.	54399	Strand	-
Start	1097	End	1201
Name	OJ991215_15.0127.C14.o1.tw	Method	TBLASTX:Wheat
Start	192	End	479
GI	none	Score	93
Exons	192..299, 203..304, 240..479, 375..479		

Seq. No.	26242	Seq. ID	OJ991215_15.0127.C14
Gene No.	54399	Strand	-

Start	1097	End	1201
Name	OJ991215_15.0127.C14.o2.gs	Method	GENSCAN
Start	1097	End	1201
GI	none	Score	.87
Exons	1097..1201		

Seq. No.	26243	Seq. ID	OJ991215_15.0127.C16
Gene No.	54400	Strand	+
Start	585	End	716
Name	OJ991215_15.0127.C16.o1.gs	Method	GENSCAN
Start	585	End	716
GI	none	Score	.5
Exons	585..716		

Seq. No.	26243	Seq. ID	OJ991215_15.0127.C16
Gene No.	54401	Strand	-
Start	1	End	339
Name	OJ991215_15.0127.C16.o1.gp	Method	AAT/GAP
Start	1	End	339
GI	none	Score	658
Exons	1..339		

Seq. No.	26244	Seq. ID	OJ991215_15.0127.C17
Gene No.	54402	Strand	-
Start	50	End	284
Name	OJ991215_15.0127.C17.o1.gs	Method	GENSCAN
Start	50	End	284
GI	none	Score	.58
Exons	50..284		

Seq. No.	26245	Seq. ID	OJ991215_15.0127.C20
Gene No.	54403	Strand	+
Start	1	End	628
Name	OJ991215_15.0127.C20.o1.np	Method	AAT/NAP
Start	1	End	628
GI	3894387	Score	395
Exons	1..628		
GI Descrip.	(AF053995) Hcr2-0B [Lycopersicon esculentum]		

Seq. No.	26245	Seq. ID	OJ991215_15.0127.C20
Gene No.	54403	Strand	+
Start	1	End	628
Name	OJ991215_15.0127.C20.o1.tc	Method	TBLASTX:Cress
Start	2	End	625
GI	none	Score	85
Exons	2..115, 2..187, 5..187, 5..187, 5..187, 5..187, 5..184, 5..193, 5..187, 5..184, 5..61, 68..187, 119..205, 164..403, 203..253, 203..622, 203..622, 203..622, 206..583, 206..574, 215..622, 221..625, 224..622, 224..619, 323..625, 356..622, 359..622, 379..489, 439..621, 439..552, 442..549		

Seq. No.	26245	Seq. ID	OJ991215_15.0127.C20
Gene No.	54403	Strand	+
Start	1	End	628
Name	OJ991215_15.0127.C20.o1.ts	Method	TBLASTX:Soybean
Start	2	End	622
GI	none	Score	105

Exons	2..187, 5..187, 5..193, 5..187, 5..190, 5..184, 5..193, 68..187, 203..574, 203..622, 203..622, 215..622, 224..622, 350..622, 373..489, 439..621, 439..549, 454..552		
Seq. No.	26245	Seq. ID	OJ991215_15.0127.C20
Gene No.	54403	Strand	+
Start	1	End	628
Name	OJ991215_15.0127.C20.o1.tm	Method	TBLASTX:Maize
Start	2	End	625
GI	none	Score	106
Exons	2..193, 2..187, 5..187, 5..187, 5..187, 11..169, 20..193, 68..190, 94..186, 203..622, 203..619, 206..451, 215..622, 221..625, 224..601, 229..342, 278..622, 382..489, 439..552		
Seq. No.	26245	Seq. ID	OJ991215_15.0127.C20
Gene No.	54403	Strand	+
Start	1	End	628
Name	OJ991215_15.0127.C20.o1.tw	Method	TBLASTX:Wheat
Start	2	End	625
GI	none	Score	114
Exons	2..187, 2..100, 5..184, 356..625		
Seq. No.	26245	Seq. ID	OJ991215_15.0127.C20
Gene No.	54403	Strand	+
Start	1	End	628
Name	OJ991215_15.0127.C20.o1.gs	Method	GENSCAN
Start	131	End	539
GI	none	Score	.59
Exons	131..539		
Seq. No.	26246	Seq. ID	OJ991215_15.0127.C22
Gene No.	54404	Strand	+
Start	1891	End	2385
Name	OJ991215_15.0127.C22.o1.gp	Method	AAT/GAP
Start	1891	End	2295
GI	uC-osf1M202089g10b1	Score	779
Exons	1891..2295		
GI Descrip.	'4584536/emb|CAB40766.1| 3.0e-13 (AL049608) cytochrome p450 like protein [Arabidopsis thaliana]'		
Seq. No.	26246	Seq. ID	OJ991215_15.0127.C22
Gene No.	54404	Strand	+
Start	1891	End	2385
Name	OJ991215_15.0127.C22.o1.gs	Method	GENSCAN
Start	1898	End	2283
GI	none	Score	.81
Exons	1898..2283		
Seq. No.	26246	Seq. ID	OJ991215_15.0127.C22
Gene No.	54404	Strand	+
Start	1891	End	2385
Name	OJ991215_15.0127.C22.o1.np	Method	AAT/NAP
Start	1946	End	2385
GI	5915840	Score	334
Exons	1946..2385		
GI Descrip.	CYTOCHROME P450 71D11 gi|2367431 (AF000403) putative cytochrome P450 [Lotus japonicus]		

Seq. No.	26246	Seq. ID	OJ991215_15.0127.C22
Gene No.	54404	Strand	+
Start	1891	End	2385
Name	OJ991215_15.0127.C22.o1.tm	Method	TBLASTX:Maize
Start	2002	End	2383
GI	none	Score	76
Exons	2002..2091, 2015..2053, 2053..2382, 2054..2383, 2246..2383		

Seq. No.	26246	Seq. ID	OJ991215_15.0127.C22
Gene No.	54404	Strand	+
Start	1891	End	2385
Name	OJ991215_15.0127.C22.o1.ts	Method	TBLASTX:Soybean
Start	2002	End	2383
GI	none	Score	312
Exons	2002..2196, 2015..2383, 2245..2367		

Seq. No.	26246	Seq. ID	OJ991215_15.0127.C22
Gene No.	54404	Strand	+
Start	1891	End	2385
Name	OJ991215_15.0127.C22.o1.tc	Method	TBLASTX:Cress
Start	2024	End	2371
GI	none	Score	265
Exons	2024..2371		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54405	Strand	+
Start	1	End	788
Name	OJ991215_15.0127.C23.o1.np	Method	AAT/NAP
Start	1	End	773
GI	5915839	Score	544
Exons	1..68, 150..773		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54405	Strand	+
Start	1	End	788
Name	OJ991215_15.0127.C23.o1.gs	Method	GENSCAN
Start	159	End	788
GI	none	Score	.87
Exons	159..788		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54406	Strand	+
Start	1347	End	2996
Name	OJ991215_15.0127.C23.o2.gs	Method	GENSCAN
Start	1347	End	2996
GI	none	Score	.94
Exons	1347..2279, 2373..2996		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54406	Strand	+
Start	1347	End	2996
Name	OJ991215_15.0127.C23.o2.np	Method	AAT/NAP
Start	1374	End	2981
GI	5915835	Score	994

Exons	1374..2279, 2373..2981		
GI Descrip.	CYTOCHROME P450 71D6 gi|1762142 (U48434) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54407	Strand	+
Start	3604	End	9075
Name	OJ991215_15.0127.C23.o3.gs	Method	GENSCAN
Start	3604	End	5266
GI	none	Score	.94
Exons	3604..4521, 4613..5266		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54407	Strand	+
Start	3604	End	9075
Name	OJ991215_15.0127.C23.o3.np	Method	AAT/NAP
Start	3616	End	5242
GI	166949	Score	926
Exons	3616..4521, 4613..5242		
GI Descrip.	(M32885) cytochrome P-450LXXIA1 (cyp71A1) [Persea americana]		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54407	Strand	+
Start	3604	End	9075
Name	OJ991215_15.0127.C23.o4.np	Method	AAT/NAP
Start	5087	End	9075
GI	2911044	Score	238
Exons	5087..5165, 6284..6556, 8292..8336, 8548..8620, 9028..9075		
GI Descrip.	(AL021961) putative protein [Arabidopsis thaliana]		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54407	Strand	+
Start	3604	End	9075
Name	OJ991215_15.0127.C23.o2.gp	Method	AAT/GAP
Start	6100	End	8914
GI	23689_1.R1084	Score	973
Exons	6100..6152, 6285..6556, 8292..8336, 8548..8620, 8813..8914		
GI Descrip.	'2911044/emb|CAA17554| 2.0e-30 (AL021961) putative protein [Arabidopsis thaliana]'		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54407	Strand	+
Start	3604	End	9075
Name	OJ991215_15.0127.C23.o4.gs	Method	GENSCAN
Start	6145	End	8910
GI	none	Score	.71
Exons	6145..6556, 8292..8336, 8548..8620, 8813..8910		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54408	Strand	-
Start	2927	End	8915
Name	OJ991215_15.0127.C23.o1.tm	Method	TBLASTX:Maize
Start	1	End	5095
GI	none	Score	103
Exons	1..63, 2..82, 3..74, 155..229, 156..275, 225..275, 273..350, 281..454, 390..455, 411..455, 501..626, 512..613, 585..626, 2072..2131, 2073..2153, 2199..2279, 2235..2273, 2372..2836,		

2373..2561, 2375..2830, 2601..2834, 4362..4391, 4438..4521, 4450..4515, 4612..4716, 4613..4732, 4613..4732, 4742..4813, 4742..4816, 4879..4971, 4880..4957, 4963..5091, 4964..5095, 5051..5095

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54408	Strand	-
Start	2927	End	8915
Name	OJ991215_15.0127.C23.o1.ts	Method	TBLASTX:Soybean
Start	3	End	5188
GI	none	Score	47

Exons 3..71, 144..266, 282..350, 390..455, 501..752, 506..613, 1479..1517, 1500..1673, 1559..1651, 1710..1847, 1724..1807, 1890..2153, 2199..2276, 2373..2561, 2375..2587, 2594..2968, 2601..2966, 3703..3723, 3778..4071, 4162..4389, 4437..4517, 4438..4518, 4613..4771, 4615..4713, 4882..4944, 4886..4966, 4963..5085, 4967..5188

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54408	Strand	-
Start	2927	End	8915
Name	OJ991215_15.0127.C23.o2.tw	Method	TBLASTX:Wheat
Start	3	End	4939
GI	none	Score	52

Exons 3..74, 143..229, 156..272, 276..455, 2199..2279, 2372..2680, 2373..2681, 4438..4515, 4612..4716, 4613..4729, 4745..4813, 4757..4810, 4880..4939, 4885..4938

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54408	Strand	-
Start	2927	End	8915
Name	OJ991215_15.0127.C23.o1.tc	Method	TBLASTX:Cress
Start	156	End	5188
GI	none	Score	89

Exons 156..263, 276..350, 501..761, 512..613, 2373..2561, 2384..2476, 2546..2929, 2619..2969, 4613..4729, 4751..4813, 4859..4957, 4963..5082, 4970..5188

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54408	Strand	-
Start	2927	End	8915
Name	OJ991215_15.0127.C23.o1.tw	Method	TBLASTX:Wheat
Start	501	End	5201
GI	none	Score	292

Exons 501..776, 506..775, 2703..2984, 2706..2978, 2747..2989, 4969..5148, 4970..5188, 5057..5200, 5073..5201

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54408	Strand	-
Start	2927	End	8915
Name	OJ991215_15.0127.C23.o2.tm	Method	TBLASTX:Maize
Start	1478	End	4089
GI	none	Score	280

Exons 1478..1693, 1479..1700, 1500..1748, 1703..1843, 1704..1844, 3642..3770, 3682..3723, 3737..3817, 3762..4058, 3778..4068, 3904..4089

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54408	Strand	-
Start	2927	End	8915
Name	OJ991215_15.0127.C23.o2.tc	Method	TBLASTX:Cress
Start	1509	End	4071
GI	none	Score	156
Exons	1509..1691, 1719..1832, 3778..4071		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54408	Strand	-
Start	2927	End	8915
Name	OJ991215_15.0127.C23.o3.tm	Method	TBLASTX:Maize
Start	1914	End	8915
GI	none	Score	37
Exons	1914..2009, 6220..6243, 6295..6519, 6318..6518, 8291..8347, 8521..8622, 8543..8623, 8544..8633, 8797..8913, 8804..8914, 8810..8908, 8811..8915		

Seq. No.	26247	Seq. ID	OJ991215_15.0127.C23
Gene No.	54408	Strand	-
Start	2927	End	8915
Name	OJ991215_15.0127.C23.o1.gp	Method	AAT/GAP
Start	2927	End	3143
GI	569091	Score	411
Exons	2927..3143		

Seq. No.	26248	Seq. ID	OJ991215_15.0127.C24
Gene No.	54409	Strand	+
Start	63	End	644
Name	OJ991215_15.0127.C24.o1.gs	Method	GENSCAN
Start	63	End	644
GI	none	Score	.94
Exons	63..72, 439..644		

Seq. No.	26248	Seq. ID	OJ991215_15.0127.C24
Gene No.	54410	Strand	-
Start	1	End	841
Name	OJ991215_15.0127.C24.o1.gp	Method	AAT/GAP
Start	1	End	841
GI	23689_1.R1084	Score	781
Exons	1..24, 373..841		
GI Descrip.	'2911044/emb|CAA17554| 2.0e-30 (AL021961) putative protein [Arabidopsis thaliana]'		

Seq. No.	26248	Seq. ID	OJ991215_15.0127.C24
Gene No.	54410	Strand	-
Start	1	End	841
Name	OJ991215_15.0127.C24.o1.ts	Method	TBLASTX:Soybean
Start	436	End	561
GI	none	Score	180
Exons	436..561, 439..558, 441..560		

Seq. No.	26249	Seq. ID	OJ991215_15.0127.C25
Gene No.	54411	Strand	-
Start	1	End	574
Name	OJ991215_15.0127.C25.o1.np	Method	AAT/NAP
Start	1	End	182

GI	5103807	Score	174
Exons	1..182		
GI Descrip.	(AC007591) Contains similarity to gb|AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb|T88254 and gb|AA394650 come from this gene. [Arabidopsis thaliana]		

Seq. No.	26249	Seq. ID	OJ991215_15.0127.C25
Gene No.	54411	Strand	-
Start	1	End	574
Name	OJ991215_15.0127.C25.o1.gp	Method	AAT/GAP
Start	1	End	574
GI	2310357	Score	696
Exons	1..270, 468..574		

Seq. No.	26250	Seq. ID	OJ991215_15.0127.C27
Gene No.	54412	Strand	+
Start	101	End	152
Name	OJ991215_15.0127.C27.o1.gs	Method	GENSCAN
Start	101	End	152
GI	none	Score	.7
Exons	101..152		

Seq. No.	26251	Seq. ID	OJ991215_15.0127.C28
Gene No.	54413	Strand	+
Start	1	End	175
Name	OJ991215_15.0127.C28.o1.gp	Method	AAT/GAP
Start	1	End	175
GI	3760500	Score	327
Exons	1..175		

Seq. No.	26252	Seq. ID	OJ991215_15.0127.C29
Gene No.	54414	Strand	-
Start	1	End	657
Name	OJ991215_15.0127.C29.o1.np	Method	AAT/NAP
Start	1	End	657
GI	1684913	Score	200
Exons	1..102, 142..363, 452..657		
GI Descrip.	(U77888) receptor-like protein kinase [Ipomoea nil]		

Seq. No.	26252	Seq. ID	OJ991215_15.0127.C29
Gene No.	54414	Strand	-
Start	1	End	657
Name	OJ991215_15.0127.C29.o1.tm	Method	TBLASTX:Maize
Start	29	End	578
GI	none	Score	58
Exons	29..118, 30..128, 173..364, 174..365, 191..373, 453..527, 454..522, 512..577, 528..578		

Seq. No.	26252	Seq. ID	OJ991215_15.0127.C29
Gene No.	54414	Strand	-
Start	1	End	657
Name	OJ991215_15.0127.C29.o1.gs	Method	GENSCAN
Start	145	End	376
GI	none	Score	.75
Exons	145..376		

Seq. No.	26252	Seq. ID	OJ991215_15.0127.C29
Gene No.	54414	Strand	-
Start	1	End	657
Name	OJ991215_15.0127.C29.o1.ts	Method	TBLASTX:Soybean
Start	182	End	655
GI	none	Score	64
Exons	182..385, 234..365, 500..655, 522..653		

Seq. No.	26253	Seq. ID	OJ991215_15.0127.C35
Gene No.	54415	Strand	+
Start	535	End	1311
Name	OJ991215_15.0127.C35.o1.gs	Method	GENSCAN
Start	535	End	1311
GI	none	Score	.71
Exons	535..589, 1178..1311		

Seq. No.	26253	Seq. ID	OJ991215_15.0127.C35
Gene No.	54416	Strand	-
Start	1038	End	1496
Name	OJ991215_15.0127.C35.o1.tm	Method	TBLASTX:Maize
Start	1019	End	1300
GI	none	Score	62
Exons	1019..1051, 1056..1103, 1058..1102, 1086..1178, 1089..1184, 1090..1188, 1091..1201, 1093..1188, 1181..1213, 1188..1211, 1188..1220, 1211..1300, 1213..1299		

Seq. No.	26253	Seq. ID	OJ991215_15.0127.C35
Gene No.	54416	Strand	-
Start	1038	End	1496
Name	OJ991215_15.0127.C35.o1.tw	Method	TBLASTX:Wheat
Start	1037	End	1308
GI	none	Score	81
Exons	1037..1111, 1038..1091, 1039..1092, 1135..1185, 1136..1207, 1169..1207, 1180..1209, 1210..1296, 1213..1308, 1214..1300		

Seq. No.	26253	Seq. ID	OJ991215_15.0127.C35
Gene No.	54416	Strand	-
Start	1038	End	1496
Name	OJ991215_15.0127.C35.o1.gp	Method	AAT/GAP
Start	1038	End	1496
GI	60137_1.R1084	Score	483
Exons	1038..1301, 1464..1496		
GI Descrip.	'1143511/emb|CAA87385| 6.0e-87 (Z47076) Ser/Thr protein phosphatase homologous to PPX [Malus domestica] >gi_1586034_prf__2202340A Ser/Thr protein phosphatase [Malus domestica]'		

Seq. No.	26253	Seq. ID	OJ991215_15.0127.C35
Gene No.	54416	Strand	-
Start	1038	End	1496
Name	OJ991215_15.0127.C35.o1.np	Method	AAT/NAP
Start	1219	End	1328
GI	5734785	Score	108
Exons	1219..1328		
GI Descrip.	(AC007980) phosphoprotein phosphatase [Arabidopsis thaliana]		

Seq. No.	26254	Seq. ID	OJ991215_15.0127.C36

Gene No.	54417	Strand	-
Start	399	End	507
Name	OJ991215_15.0127.C36.o1.gs	Method	GENSCAN
Start	399	End	507
GI	none	Score	.53
Exons	399..507		

Seq. No.	26255	Seq. ID	OJ991215_15.0127.C38
Gene No.	54418	Strand	+
Start	52	End	1031
Name	OJ991215_15.0127.C38.o1.gs	Method	GENSCAN
Start	52	End	1031
GI	none	Score	.69
Exons	52..723, 900..1031		

Seq. No.	26256	Seq. ID	OJ991215_15.0127.C39
Gene No.	54419	Strand	-
Start	1	End	510
Name	OJ991215_15.0127.C39.o1.np	Method	AAT/NAP
Start	1	End	422
GI	5103806	Score	224
Exons	1..70, 160..422		
GI Descrip.	(AC007591) EST gb|F14271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	26256	Seq. ID	OJ991215_15.0127.C39
Gene No.	54419	Strand	-
Start	1	End	510
Name	OJ991215_15.0127.C39.o1.gs	Method	GENSCAN
Start	160	End	510
GI	none	Score	.56
Exons	160..510		

Seq. No.	26257	Seq. ID	OJ991215_15.0127.C41
Gene No.	54420	Strand	-
Start	263	End	453
Name	OJ991215_15.0127.C41.o1.gs	Method	GENSCAN
Start	263	End	453
GI	none	Score	.97
Exons	263..453		

Seq. No.	26258	Seq. ID	OJ991215_15.0127.C43
Gene No.	54421	Strand	+
Start	492	End	583
Name	OJ991215_15.0127.C43.o1.gs	Method	GENSCAN
Start	492	End	583
GI	none	Score	.6
Exons	492..583		

Seq. No.	26259	Seq. ID	OJ991215_15.0127.C44
Gene No.	54422	Strand	+
Start	8	End	775
Name	OJ991215_15.0127.C44.o1.gs	Method	GENSCAN
Start	8	End	775
GI	none	Score	.76
Exons	8..564, 588..775		

Seq. No.	26259	Seq. ID	OJ991215_15.0127.C44
Gene No.	54423	Strand	+
Start	690	End	850
Name	OJ991215_15.0127.C44.o1.ts	Method	TBLASTX:Soybean
Start	143	End	397
GI	none	Score	197
Exons	143..397, 157..396		

Seq. No.	26259	Seq. ID	OJ991215_15.0127.C44
Gene No.	54423	Strand	+
Start	690	End	850
Name	OJ991215_15.0127.C44.o1.gp	Method	AAT/GAP
Start	690	End	850
GI	12340_1.R1084	Score	277
Exons	690..850		
GI Descrip.	'418548/sp|P32698|YJBQ_ECOLI 7.0e-16 HYPOTHETICAL 15.7 KD PROTEIN IN APHA-UVRA INTERGENIC REGION (O138) >gi_396391 (U00006) No definition line found [Escherichia coli] >gi_1790491 (AE000479) orf, hypothetical protein [Escherichia coli]'		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54424	Strand	+
Start	1377	End	1574
Name	OJ991215_15.0127.C45.o1.gs	Method	GENSCAN
Start	1377	End	1574
GI	none	Score	.63
Exons	1377..1574		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54425	Strand	+
Start	3148	End	8799
Name	OJ991215_15.0127.C45.o2.gs	Method	GENSCAN
Start	3148	End	8799
GI	none	Score	.75
Exons	3148..3424, 3937..4266, 5269..5411, 5644..5847, 6753..6850, 8288..8344, 8370..8799		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54425	Strand	+
Start	3148	End	8799
Name	OJ991215_15.0127.C45.o2.np	Method	AAT/NAP
Start	4015	End	6863
GI	4662632	Score	611
Exons	4015..4310, 5137..5411, 5644..5847, 6753..6863		
GI Descrip.	(AC007267) unknown protein [Arabidopsis thaliana]		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54425	Strand	+
Start	3148	End	8799
Name	OJ991215_15.0127.C45.o2.gp	Method	AAT/GAP
Start	4017	End	5236
GI	none	Score	599
Exons	4017..4266, 5154..5236		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54425	Strand	+
Start	3148	End	8799

Name	OJ991215_15.0127.C45.o3.gp	Method	AAT/GAP
Start	5604	End	7015
GI	11312_1.R1084	Score	773
Exons	5604..5847, 6753..7015		
GI Descrip.	'4662632/gb|AAD26904.1|AC007267_4 3.0e-18 (AC007267) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54426	Strand	-
Start	432	End	3293
Name	OJ991215_15.0127.C45.o3.tm	Method	TBLASTX:Maize
Start	427	End	3195
GI	none	Score	87
Exons	427..519, 441..518, 1707..1766, 1709..1756, 1856..1912, 1856..1912, 1857..1919, 2116..2142, 2116..2151, 2124..2153, 2223..2330, 2237..2332, 2239..2343, 2240..2329, 2952..3032, 2953..3033, 2971..3033, 3105..3194, 3109..3195		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54426	Strand	-
Start	432	End	3293
Name	OJ991215_15.0127.C45.o1.np	Method	AAT/NAP
Start	432	End	3187
GI	6460422	Score	226
Exons	432..518, 1714..1756, 1857..1922, 2217..2345, 3062..3187		
GI Descrip.	(AE002088) conserved hypothetical protein [Deinococcus radiodurans]		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54426	Strand	-
Start	432	End	3293
Name	OJ991215_15.0127.C45.o2.tw	Method	TBLASTX:Wheat
Start	981	End	1349
GI	none	Score	277
Exons	981..1349, 1001..1345		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54426	Strand	-
Start	432	End	3293
Name	OJ991215_15.0127.C45.o2.tm	Method	TBLASTX:Maize
Start	1238	End	1529
GI	none	Score	271
Exons	1238..1348, 1239..1529, 1239..1412, 1370..1507		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54426	Strand	-
Start	432	End	3293
Name	OJ991215_15.0127.C45.o1.gp	Method	AAT/GAP
Start	1816	End	3293
GI	2311606	Score	690
Exons	1816..1911, 2117..2150, 2239..2333, 2970..3030, 3108..3293		
GI Descrip.	418548/sp|P32698|YJBQ_ECOLI 7.0e-16 HYPOTHETICAL 15.7 KD PROTEIN IN APHA-UVRA INTERGENIC REGION (O138) >gi_396391 (U00006) No definition line found [Escherichia coli] >gi_1790491 (AE000479) orf, hypothetical protein [Escherichia coli]		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45

Gene No.	54427	Strand	
Start	4207	End	6855
Name	OJ991215_15.0127.C45.o1.tm	Method	TBLASTX:Maize
Start	4207	End	6851
GI	none	Score	107
Exons	4207..4275, 5146..5259, 5151..5411, 5151..5411, 5332..5412, 5641..5796, 5643..5795, 5804..5848, 5805..5849, 6720..6821, 6750..6851, 6751..6840		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54427	Strand	
Start	4207	End	6855
Name	OJ991215_15.0127.C45.o1.ts	Method	TBLASTX:Soybean
Start	5141	End	5420
GI	none	Score	64
Exons	5141..5410, 5146..5259, 5151..5411, 5151..5420		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54427	Strand	
Start	4207	End	6855
Name	OJ991215_15.0127.C45.o1.tc	Method	TBLASTX:Cress
Start	5151	End	5366
GI	none	Score	202
Exons	5151..5321, 5153..5293, 5319..5366		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54427	Strand	
Start	4207	End	6855
Name	OJ991215_15.0127.C45.o1.tw	Method	TBLASTX:Wheat
Start	5355	End	6855
GI	none	Score	88
Exons	5355..5411, 5355..5396, 5357..5407, 5640..5864, 5641..5847, 6720..6821, 6751..6855, 6752..6820		

Seq. No.	26260	Seq. ID	OJ991215_15.0127.C45
Gene No.	54427	Strand	
Start	4207	End	6855
Name	OJ991215_15.0127.C45.o2.ts	Method	TBLASTX:Soybean
Start	5637	End	6821
GI	none	Score	121
Exons	5637..5801, 5641..5847, 5641..5808, 5643..5843, 6701..6820, 6708..6821		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54428	Strand	+
Start	914	End	4057
Name	OJ991215_15.0127.C46.o1.gs	Method	GENSCAN
Start	914	End	4027
GI	none	Score	.78
Exons	914..1029, 2894..2965, 3086..4027		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54428	Strand	+
Start	914	End	4057
Name	OJ991215_15.0127.C46.o1.gp	Method	AAT/GAP
Start	3069	End	3648
GI	57759_1.R1084	Score	1108

Exons	3069..3648		
GI Descrip.	'1777660/gb|U42519|CIU42519 2.0e-43 Chrysobalanus icaco 18S ribosomal RNA gene, partial sequence'		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54428	Strand	+
Start	914	End	4057
Name	OJ991215_15.0127.C46.o1.np	Method	AAT/NAP
Start	3137	End	3994
GI	2129648	Score	466
Exons	3137..3994		
GI Descrip.	MYB-related protein 33,3K - Arabidopsis thaliana gi|1263095|emb|CAA90809| (Z54136) MYB-related protein [Arabidopsis thaliana]		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54428	Strand	+
Start	914	End	4057
Name	OJ991215_15.0127.C46.o2.gp	Method	AAT/GAP
Start	3760	End	4057
GI	5003977	Score	550
Exons	3760..4057		
GI Descrip.	1777660/gb|U42519|CIU42519 2.0e-43 Chrysobalanus icaco 18S ribosomal RNA gene, partial sequence		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54429	Strand	+
Start	5543	End	6019
Name	OJ991215_15.0127.C46.o3.gp	Method	AAT/GAP
Start	5543	End	6019
GI	56295_1.R1084	Score	922
Exons	5543..6019		
GI Descrip.	'3913181/sp|O22380|CADH_LOLPR 6.0e-37 CINNAMYL-ALCOHOL DEHYDROGENASE (CAD) >gi_2388662 (AF010290) cinnamyl alcohol dehydrogenase [Lolium perenne]'		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o2.tw	Method	TBLASTX:Wheat
Start	899	End	3448
GI	none	Score	78
Exons	899..973, 3152..3238, 3251..3448, 3256..3435		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o1.tm	Method	TBLASTX:Maize
Start	3125	End	3763
GI	none	Score	522
Exons	3125..3469, 3148..3471, 3467..3550, 3472..3540, 3586..3645, 3587..3646, 3733..3762, 3734..3763		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o2.ts	Method	TBLASTX:Soybean

Start	3137	End	3606
GI	none	Score	481
Exons	3137..3463, 3148..3459, 3508..3537, 3509..3547, 3586..3606		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o1.tc	Method	TBLASTX:Cress
Start	3143	End	3616
GI	none	Score	468
Exons	3143..3454, 3145..3447, 3514..3537, 3521..3616		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o4.tm	Method	TBLASTX:Maize
Start	3877	End	4038
GI	none	Score	214
Exons	3877..4038, 3878..4033		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o2.np	Method	AAT/NAP
Start	5694	End	8464
GI	3913182	Score	1494
Exons	5694..6360, 7403..7630, 8260..8464		
GI Descrip.	CINNAMYL-ALCOHOL DEHYDROGENASE (CAD) (BROWN-MIDRIB 1 PROTEIN) gi|2239258|emb|CAA74070| (Y13733) cinnamyl alcohol dehydrogenase [Zea mays]		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o3.gs	Method	GENSCAN
Start	5700	End	8373
GI	none	Score	.98
Exons	5700..6360, 7403..7630, 8260..8373		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o1.ts	Method	TBLASTX:Soybean
Start	5727	End	8393
GI	none	Score	128
Exons	5727..6200, 5731..5967, 6096..6290, 6261..6362, 6262..6360, 7388..7540, 7393..7539, 8254..8376, 8259..8393		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o2.tc	Method	TBLASTX:Cress
Start	5727	End	6201
GI	none	Score	139
Exons	5727..6059, 5731..5967, 6060..6149, 6141..6200, 6145..6201		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46

Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o2.tm	Method	TBLASTX:Maize
Start	5727	End	6050
GI	none	Score	211
Exons	5727..6050, 5731..5955, 5838..5963		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o1.tw	Method	TBLASTX:Wheat
Start	5733	End	6362
GI	none	Score	65
Exons	5733..6200, 5856..5915, 6096..6311, 6252..6362		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o3.tm	Method	TBLASTX:Maize
Start	6051	End	8376
GI	none	Score	80
Exons	6051..6200, 6094..6201, 6105..6359, 6252..6362, 6253..6381, 7388..7537, 7393..7584, 7588..7644, 8253..8375, 8254..8376, 8259..8375		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o4.gp	Method	AAT/GAP
Start	6072	End	8376
GI	13921_1.R1084	Score	1169
Exons	6072..6360, 7403..7630, 8260..8376		
GI Descrip.	'3913182/sp|O24562|CADH_MAIZE 1.0e-65 CINNAMYL-ALCOHOL DEHYDROGENASE (CAD) (BROWN-MIDRIB 1 PROTEIN) >gi_2239258_emb_CAA74070_ (Y13733) cinnamyl alcohol dehydrogenase [Zea mays]'		

Seq. No.	26261	Seq. ID	OJ991215_15.0127.C46
Gene No.	54430	Strand	-
Start	5700	End	8464
Name	OJ991215_15.0127.C46.o3.tc	Method	TBLASTX:Cress
Start	6297	End	8376
GI	none	Score	140
Exons	6297..6362, 7370..7522, 7393..7539, 8254..8376, 8254..8355, 8259..8375		

Seq. No.	26262	Seq. ID	OJ991215_15.0127.C47
Gene No.	54431	Strand	+
Start	1	End	907
Name	OJ991215_15.0127.C47.o1.np	Method	AAT/NAP
Start	1	End	907
GI	6630699	Score	88
Exons	1..50, 821..907		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26262	Seq. ID	OJ991215_15.0127.C47
Gene No.	54431	Strand	+
Start	1	End	907
Name	OJ991215_15.0127.C47.o1.gs	Method	GENSCAN
Start	57	End	176
GI	none	Score	1
Exons	57..176		

Seq. No.	26262	Seq. ID	OJ991215_15.0127.C47
Gene No.	54432	Strand	-
Start	1	End	194
Name	OJ991215_15.0127.C47.o1.gp	Method	AAT/GAP
Start	1	End	194
GI	13921_1.R1084	Score	352
Exons	1..194		
GI Descrip.	'3913182/sp|O24562|CADH_MAIZE 1.0e-65 CINNAMYL-ALCOHOL DEHYDROGENASE (CAD) (BROWN-MIDRIB 1 PROTEIN) >gi_2239258_emb_CAA74070_ (Y13733) cinnamyl alcohol dehydrogenase [Zea mays]'		

Seq. No.	26262	Seq. ID	OJ991215_15.0127.C47
Gene No.	54433	Strand	-
Start	754	End	4153
Name	OJ991215_15.0127.C47.o2.gs	Method	GENSCAN
Start	754	End	4153
GI	none	Score	.65
Exons	754..901, 1082..1155, 2109..2234, 3477..3551, 3832..3956, 4093..4153		

Seq. No.	26262	Seq. ID	OJ991215_15.0127.C47
Gene No.	54433	Strand	-
Start	754	End	4153
Name	OJ991215_15.0127.C47.o2.np	Method	AAT/NAP
Start	1045	End	1228
GI	5922620	Score	102
Exons	1045..1228		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26262	Seq. ID	OJ991215_15.0127.C47
Gene No.	54434	Strand	-
Start	5230	End	5635
Name	OJ991215_15.0127.C47.o3.gs	Method	GENSCAN
Start	5230	End	5598
GI	none	Score	.71
Exons	5230..5598		

Seq. No.	26262	Seq. ID	OJ991215_15.0127.C47
Gene No.	54434	Strand	-
Start	5230	End	5635
Name	OJ991215_15.0127.C47.o1.tm	Method	TBLASTX:Maize
Start	5312	End	5635
GI	none	Score	71
Exons	5312..5389, 5342..5461, 5344..5412, 5432..5635, 5432..5461,		

5467..5631

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54435	Strand	-
Start	46	End	2903
Name	OJ991215_15.0127.C48.o1.np	Method	AAT/NAP
Start	46	End	2903
GI	4467110	Score	1443
Exons	46..144, 437..594, 729..961, 1411..1697, 2457..2903		
GI Descrip.	(AL035538) putative protein [Arabidopsis thaliana]		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54435	Strand	-
Start	46	End	2903
Name	OJ991215_15.0127.C48.o1.gs	Method	GENSCAN
Start	422	End	2885
GI	none	Score	.67
Exons	422..594, 729..961, 1411..1697, 2457..2885		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54436	Strand	-
Start	5329	End	8183
Name	OJ991215_15.0127.C48.o2.gs	Method	GENSCAN
Start	5329	End	8183
GI	none	Score	.4
Exons	5329..5412, 5499..5564, 6027..6161, 6179..6269, 7575..7916, 8065..8183		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54436	Strand	-
Start	5329	End	8183
Name	OJ991215_15.0127.C48.o2.np	Method	AAT/NAP
Start	5329	End	6669
GI	4753648	Score	368
Exons	5329..5412, 5499..5564, 6027..6092, 6179..6234, 6406..6478, 6604..6669		
GI Descrip.	(AL049751) putative protein [Arabidopsis thaliana]		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o4.tc	Method	TBLASTX:Cress
Start	43	End	894
GI	none	Score	111
Exons	43..150, 47..148, 494..595, 527..586, 528..596, 730..891, 730..894		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o1.ts	Method	TBLASTX:Soybean
Start	452	End	955
GI	none	Score	116
Exons	452..595, 461..589, 462..596, 726..953, 730..954, 730..954, 731..955		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48

Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o4.ts	Method	TBLASTX:Soybean
Start	1449	End	1670
GI	none	Score	111
Exons	1449..1670, 1450..1668		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o1.tc	Method	TBLASTX:Cress
Start	1479	End	2699
GI	none	Score	54
Exons	1479..1553, 1486..1530, 1551..1586, 1555..1581, 1587..1613, 1614..1700, 1615..1698, 2457..2699, 2458..2691		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o4.tm	Method	TBLASTX:Maize
Start	1567	End	2610
GI	none	Score	198
Exons	1567..1698, 1569..1700, 1577..1708, 2443..2610, 2449..2505, 2457..2609, 2560..2610		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o3.gs	Method	GENSCAN
Start	8929	End	13190
GI	none	Score	.82
Exons	8929..9260, 10273..10759, 10882..11021, 11138..11425, 11524..11571, 11671..12172, 12283..12392, 12686..12982, 13091..13190		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o3.np	Method	AAT/NAP
Start	8965	End	12277
GI	4455192	Score	1007
Exons	8965..9256, 10269..10759, 10882..11021, 11138..11462, 11675..12277		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o4.np	Method	AAT/NAP
Start	8965	End	13343
GI	4455192	Score	1258
Exons	8965..9256, 10269..10759, 10882..11021, 11138..11462, 11675..12172, 12283..12406, 12703..13006, 13214..13343		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-

Start	8929	End	13343
Name	OJ991215_15.0127.C48.o1.tm	Method	TBLASTX:Maize
Start	9185	End	10660
GI	none	Score	77
Exons	9185..9259, 9208..9258, 10269..10625, 10271..10660		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o3.ts	Method	TBLASTX:Soybean
Start	10277	End	11462
GI	none	Score	107
Exons	10277..10660, 10673..10741, 10918..11031, 11142..11213, 11214..11462, 11245..11394		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o3.tm	Method	TBLASTX:Maize
Start	10700	End	11298
GI	none	Score	61
Exons	10700..10762, 10701..10766, 10882..11016, 10883..10996, 11131..11298, 11139..11297, 11140..11298		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o3.tc	Method	TBLASTX:Cress
Start	11155	End	11436
GI	none	Score	210
Exons	11155..11436, 11155..11304, 11157..11420, 11362..11421		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o1.tw	Method	TBLASTX:Wheat
Start	11226	End	12977
GI	none	Score	200
Exons	11226..11417, 11230..11418, 11245..11427, 11247..11444, 11264..11431, 11524..11565, 11525..11563, 11533..11589, 11672..11719, 11676..11720, 12783..12878, 12900..12977		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o2.ts	Method	TBLASTX:Soybean
Start	11672	End	12041
GI	none	Score	58
Exons	11672..11722, 11682..11723, 11738..12031, 11748..12041		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o2.tm	Method	TBLASTX:Maize
Start	11678	End	12106
GI	none	Score	219
Exons	11678..12031, 11679..12038, 11814..12038, 12038..12106		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o2.tc	Method	TBLASTX:Cress
Start	11777	End	13004
GI	none	Score	132
Exons	11777..12022, 11777..12154, 11796..12092, 12702..13004, 12718..12999		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o2.gp	Method	AAT/GAP
Start	12295	End	13274
GI	43012_1.R1084	Score	965
Exons	12295..12392, 12686..12982, 13091..13274		
GI Descrip.	'4455192/emb|CAB36515.1| 3.0e-32 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o5.ts	Method	TBLASTX:Soybean
Start	12762	End	13004
GI	none	Score	112
Exons	12762..13004, 12766..12987		

Seq. No.	26263	Seq. ID	OJ991215_15.0127.C48
Gene No.	54437	Strand	-
Start	8929	End	13343
Name	OJ991215_15.0127.C48.o5.tm	Method	TBLASTX:Maize
Start	12777	End	13163
GI	none	Score	71
Exons	12777..13004, 12925..12987, 13086..13163		

Seq. No.	26264	Seq. ID	OJ991215_15.0127.C52
Gene No.	54438	Strand	+
Start	3213	End	5031
Name	OJ991215_15.0127.C52.o1.np	Method	AAT/NAP
Start	3213	End	5025
GI	5915839	Score	983
Exons	3213..4169, 4417..5025		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	26264	Seq. ID	OJ991215_15.0127.C52
Gene No.	54438	Strand	+
Start	3213	End	5031
Name	OJ991215_15.0127.C52.o2.tm	Method	TBLASTX:Maize
Start	3353	End	3965
GI	none	Score	51
Exons	3353..3385, 3354..3392, 3453..3674, 3479..3571, 3614..3691, 3756..3965, 3777..3956		

Seq. No.	26264	Seq. ID	OJ991215_15.0127.C52
Gene No.	54438	Strand	+

Start	3213	End	5031
Name	OJ991215_15.0127.C52.o1.ts	Method	TBLASTX:Soybean
Start	3354	End	5016
GI	none	Score	77
Exons	3354..3467, 3453..3671, 3774..4037, 4098..4166, 4408..4605, 4428..4619, 4638..4976, 4645..5016, 4663..5007		

Seq. No.	26264	Seq. ID	OJ991215_15.0127.C52
Gene No.	54438	Strand	+
Start	3213	End	5031
Name	OJ991215_15.0127.C52.o2.tc	Method	TBLASTX:Cress
Start	3360	End	3671
GI	none	Score	47
Exons	3360..3389, 3453..3671		

Seq. No.	26264	Seq. ID	OJ991215_15.0127.C52
Gene No.	54438	Strand	+
Start	3213	End	5031
Name	OJ991215_15.0127.C52.o1.gp	Method	AAT/GAP
Start	3972	End	4850
GI	12793_1.R1084	Score	1149
Exons	3972..4169, 4417..4850		
GI Descrip.	'5915837/sp|O81974|C7D8_SOYBN 1.0e-49 CYTOCHROME P450 71D8 (P450 CP7) >gi_3334667_emb_CAA71517_ (Y10493) putative cytochrome P450 [Glycine max]'		

Seq. No.	26264	Seq. ID	OJ991215_15.0127.C52
Gene No.	54438	Strand	+
Start	3213	End	5031
Name	OJ991215_15.0127.C52.o2.tw	Method	TBLASTX:Wheat
Start	4098	End	4722
GI	none	Score	72
Exons	4098..4163, 4103..4165, 4416..4721, 4417..4722		

Seq. No.	26264	Seq. ID	OJ991215_15.0127.C52
Gene No.	54438	Strand	+
Start	3213	End	5031
Name	OJ991215_15.0127.C52.o1.tm	Method	TBLASTX:Maize
Start	4393	End	5004
GI	none	Score	100
Exons	4393..4545, 4416..4538, 4549..4602, 4560..4973, 4595..4819, 4645..5004		

Seq. No.	26264	Seq. ID	OJ991215_15.0127.C52
Gene No.	54438	Strand	+
Start	3213	End	5031
Name	OJ991215_15.0127.C52.o1.tc	Method	TBLASTX:Cress
Start	4408	End	5010
GI	none	Score	171
Exons	4408..4605, 4428..4526, 4554..4853, 4570..4959, 4645..5010		

Seq. No.	26264	Seq. ID	OJ991215_15.0127.C52
Gene No.	54438	Strand	+
Start	3213	End	5031
Name	OJ991215_15.0127.C52.o1.tw	Method	TBLASTX:Wheat
Start	4752	End	5031
GI	none	Score	378

Exons	4752..4979, 4753..5031, 4753..5022		
Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54439	Strand	+
Start	501	End	13001
Name	OJ991215_15.0127.C53.o1.np	Method	AAT/NAP
Start	501	End	7890
GI	5524157	Score	958
Exons	501..1301, 6813..6902, 7276..7890		
GI Descrip.	(AF124816) cytochrome p450 isoform PM17 [Mentha x piperita]		
Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54439	Strand	+
Start	501	End	13001
Name	OJ991215_15.0127.C53.o2.gs	Method	GENSCAN
Start	5979	End	13001
GI	none	Score	.55
Exons	5979..6902, 7276..7571, 7587..7789, 8187..8265, 10076..10675, 10797..10864, 11577..11619, 12028..12393, 12557..13001		
Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54440	Strand	+
Start	16872	End	18678
Name	OJ991215_15.0127.C53.o4.gs	Method	GENSCAN
Start	16872	End	18678
GI	none	Score	.82
Exons	16872..17795, 17829..17865, 18008..18678		
Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54440	Strand	+
Start	16872	End	18678
Name	OJ991215_15.0127.C53.o3.np	Method	AAT/NAP
Start	16887	End	18666
GI	5915835	Score	922
Exons	16887..17795, 18058..18666		
GI Descrip.	CYTOCHROME P450 71D6 gi|1762142 (U48434) putative cytochrome P450 [Solanum chacoense]		
Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54441	Strand	-
Start	11211	End	13182
Name	OJ991215_15.0127.C53.o2.np	Method	AAT/NAP
Start	11211	End	13182
GI	4680184	Score	848
Exons	11211..11994, 12106..12692, 12736..13182		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54442	Strand	-
Start	13814	End	16161
Name	OJ991215_15.0127.C53.o3.gs	Method	GENSCAN
Start	13814	End	16161
GI	none	Score	.54
Exons	13814..13903, 14110..14200, 14499..14609, 15126..15323, 16142..16161		
Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53

Gene No.	54443	Strand	-
Start	19188	End	22431
Name	OJ991215_15.0127.C53.o1.ts	Method	TBLASTX:Soybean
Start	531	End	19268
GI	none	Score	91
Exons	531..668, 711..983, 891..1205, 2030..2137, 2034..2249, 2037..2177, 2168..2266, 2191..2250, 2266..2649, 2277..2477, 6081..6152, 6195..6410, 6495..6767, 6804..6851, 7273..7464, 7275..7382, 7452..7883, 7469..7852, 7510..7884, 17088..17381, 17346..17630, 18049..18666, 18055..18162, 18072..18665, 18232..18666, 19132..19182, 19197..19268		

Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54443	Strand	-
Start	19188	End	22431
Name	OJ991215_15.0127.C53.o2.tm	Method	TBLASTX:Maize
Start	594	End	17561
GI	none	Score	86
Exons	594..653, 599..646, 710..949, 711..983, 822..968, 1020..1211, 1023..1202, 1088..1243, 6074..6130, 6075..6137, 6194..6298, 6195..6299, 6345..6407, 6504..6695, 6567..6686, 16971..17027, 17087..17161, 17088..17192, 17238..17375, 17243..17326, 17396..17554, 17397..17561		

Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54443	Strand	-
Start	19188	End	22431
Name	OJ991215_15.0127.C53.o2.tc	Method	TBLASTX:Cress
Start	597	End	17372
GI	none	Score	67
Exons	597..650, 710..817, 711..974, 5988..6134, 6194..6301, 6195..6410, 16980..17033, 17088..17372, 17108..17260		

Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54443	Strand	-
Start	19188	End	22431
Name	OJ991215_15.0127.C53.o1.tw	Method	TBLASTX:Wheat
Start	1323	End	18363
GI	none	Score	62
Exons	1323..1409, 1343..1408, 1344..1415, 2036..2266, 2037..2177, 2059..2250, 2265..2348, 2266..2349, 6810..6896, 6813..6902, 7275..7397, 7276..7581, 7438..7569, 7455..7580, 17706..17795, 17706..17789, 18057..18362, 18058..18363		

Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54443	Strand	-
Start	19188	End	22431
Name	OJ991215_15.0127.C53.o1.tm	Method	TBLASTX:Maize
Start	2030	End	19268
GI	none	Score	83
Exons	2030..2158, 2037..2165, 2213..2272, 2266..2628, 2278..2436, 2289..2474, 2532..2594, 7276..7398, 7312..7362, 7320..7376, 7450..7710, 7452..7856, 7504..7863, 18049..18180, 18057..18158, 18190..18645, 18226..18645, 19194..19268		

Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54443	Strand	-

Start	19188	End	22431
Name	OJ991215_15.0127.C53.o1.tc	Method	TBLASTX:Cress
Start	2037	End	18657
GI	none	Score	100
Exons	2037..2183, 2037..2249, 2048..2266, 2266..2634, 2298..2477, 2332..2547, 7276..7464, 7281..7382, 7455..7715, 7498..7806, 7504..7875, 18046..18657, 18069..18494		

Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54443	Strand	-
Start	19188	End	22431
Name	OJ991215_15.0127.C53.o2.tw	Method	TBLASTX:Wheat
Start	2382	End	19268
GI	none	Score	323
Exons	2382..2600, 2383..2652, 2392..2634, 2606..2650, 7599..7901, 7612..7902, 7633..7902, 18381..18659, 18394..18663, 18394..18663, 19194..19268		

Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54443	Strand	-
Start	19188	End	22431
Name	OJ991215_15.0127.C53.o4.np	Method	AAT/NAP
Start	19188	End	22431
GI	220578	Score	132
Exons	19188..19252, 20947..21055, 21927..22431		
GI Descrip.	(D00570) open reading frame (251 AA) [Mus musculus]		

Seq. No.	26265	Seq. ID	OJ991215_15.0127.C53
Gene No.	54443	Strand	-
Start	19188	End	22431
Name	OJ991215_15.0127.C53.o5.gs	Method	GENSCAN
Start	20171	End	21021
GI	none	Score	.63
Exons	20171..20261, 20863..21021		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54444	Strand	+
Start	789	End	2575
Name	OJ991215_15.0127.C54.o1.gs	Method	GENSCAN
Start	789	End	2575
GI	none	Score	.98
Exons	789..1706, 1955..2575		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54444	Strand	+
Start	789	End	2575
Name	OJ991215_15.0127.C54.o1.np	Method	AAT/NAP
Start	804	End	2563
GI	5915836	Score	891
Exons	804..1706, 1955..2563		
GI Descrip.	CYTOCHROME P450 71D7 gi|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54445	Strand	+
Start	5416	End	8598
Name	OJ991215_15.0127.C54.o2.np	Method	AAT/NAP

Start	5404	End	7208
GI	6739506	Score	995
Exons	5404..5478, 5515..6369, 6606..7208		
GI Descrip.	(AF122821) cytochrome P450 [Capsicum annuum]		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54445	Strand	+
Start	5416	End	8598
Name	OJ991215_15.0127.C54.o3.gs	Method	GENSCAN
Start	5416	End	8598
GI	none	Score	.75
Exons	5416..6369, 6606..6766, 6833..7214, 8581..8598		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54446	Strand	+
Start	9708	End	11716
Name	OJ991215_15.0127.C54.o4.gs	Method	GENSCAN
Start	9708	End	11716
GI	none	Score	.63
Exons	9708..10178, 11040..11313, 11391..11716		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54446	Strand	+
Start	9708	End	11716
Name	OJ991215_15.0127.C54.o3.np	Method	AAT/NAP
Start	11031	End	11650
GI	4063733	Score	485
Exons	11031..11650		
GI Descrip.	(AC006259) putative P450 [Arabidopsis thaliana]		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54447	Strand	+
Start	12629	End	13084
Name	OJ991215_15.0127.C54.o1.gp	Method	AAT/GAP
Start	12629	End	13084
GI	uC-osflcyp088a08a1	Score	893
Exons	12629..13084		
GI Descrip.	'3047095 4.0e-37 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]'		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54448	Strand	-
Start	3047	End	3334
Name	OJ991215_15.0127.C54.o2.gs	Method	GENSCAN
Start	3047	End	3334
GI	none	Score	.9
Exons	3047..3334		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o5.tm	Method	TBLASTX:Maize
Start	888	End	10112
GI	none	Score	61
Exons	888..944, 1038..1112, 1158..1295, 1163..1246, 1316..1474, 1317..1481, 5527..5595, 5547..5597, 5643..5837, 5644..5757,		

5794..5856, 5965..6186, 5967..6122, 9807..9866, 9933..10043, 10077..10112

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o2.tc	Method	TBLASTX:Cress
Start	891	End	10028
GI	none	Score	71
Exons	891..956, 1038..1295, 5533..5589, 5644..5856, 9813..9869, 9930..10028		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o2.ts	Method	TBLASTX:Soybean
Start	1044	End	11647
GI	none	Score	211
Exons	1044..1301, 1266..1502, 1946..2563, 1951..2514, 1952..2563, 5530..5637, 5644..5859, 5968..6156, 6280..6324, 6602..7045, 6603..7187, 6606..7199, 9810..9884, 9930..10028, 10077..10115, 11051..11341, 11061..11339, 11338..11646, 11339..11647		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o1.tw	Method	TBLASTX:Wheat
Start	1617	End	11341
GI	none	Score	118
Exons	1617..1706, 1617..1700, 1954..2259, 1955..2260, 6280..6369, 6282..6365, 6605..6913, 6606..6914, 6606..6914, 11041..11334, 11054..11341, 11056..11295, 11061..11339		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o1.tc	Method	TBLASTX:Cress
Start	1946	End	11638
GI	none	Score	502
Exons	1946..2554, 1955..2464, 1966..2508, 6606..7199, 6606..6707, 6611..7045, 6744..7142, 11054..11341, 11061..11339, 11338..11475, 11339..11638, 11339..11581		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o1.tm	Method	TBLASTX:Maize
Start	1946	End	11653
GI	none	Score	88
Exons	1946..2077, 1993..2061, 2087..2542, 2089..2508, 2126..2542, 6606..6713, 6617..6721, 6726..7205, 6749..7045, 7086..7199, 11051..11161, 11064..11171, 11172..11339, 11183..11341, 11338..11643, 11339..11653		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689

Name	OJ991215_15.0127.C54.o2.tw	Method	TBLASTX:Wheat
Start	2278	End	11644
GI	none	Score	369
Exons	2278..2517, 2291..2560, 2291..2560, 6942..7199, 6942..7193, 11362..11640, 11375..11644, 11519..11644		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o4.np	Method	AAT/NAP
Start	12783	End	14689
GI	2864624	Score	797
Exons	12783..14689		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o5.gs	Method	GENSCAN
Start	12801	End	14603
GI	none	Score	.99
Exons	12801..14603		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o2.tm	Method	TBLASTX:Maize
Start	13159	End	13481
GI	none	Score	217
Exons	13159..13479, 13161..13481, 13163..13480, 13164..13481		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o1.ts	Method	TBLASTX:Soybean
Start	13164	End	14339
GI	none	Score	38
Exons	13164..13310, 13341..13835, 13859..13912, 13899..14339, 13951..14205		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o4.tm	Method	TBLASTX:Maize
Start	13488	End	13746
GI	none	Score	151
Exons	13488..13745, 13494..13736, 13508..13744, 13525..13746, 13612..13746		

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o2.gp	Method	AAT/GAP
Start	13843	End	14402
GI	28825_1.R1084	Score	1088
Exons	13843..14402		
GI Descrip.	'2864624/emb|CAA16971| 2.0e-24 (AL021811) putative protein		

[Arabidopsis thaliana]'

Seq. No.	26266	Seq. ID	OJ991215_15.0127.C54
Gene No.	54449	Strand	-
Start	12801	End	14689
Name	OJ991215_15.0127.C54.o3.tm	Method	TBLASTX:Maize
Start	14178	End	14678
GI	none	Score	60
Exons	14178..14570, 14179..14292, 14180..14323, 14387..14500, 14395..14502, 14529..14678, 14535..14675		

Seq. No.	26267	Seq. ID	OJ991215_15.0127.C55
Gene No.	54450	Strand	-
Start	587	End	676
Name	OJ991215_15.0127.C55.o1.gs	Method	GENSCAN
Start	587	End	676
GI	none	Score	.49
Exons	587..676		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54451	Strand	+
Start	1918	End	6880
Name	OJ991215_15.0127.C56.o2.gs	Method	GENSCAN
Start	1918	End	6880
GI	none	Score	.43
Exons	1918..1981, 2270..2536, 2542..2643, 2837..3135, 3183..3516, 3596..3791, 3954..4059, 4132..4687, 4734..4909, 4920..4969, 5034..5183, 5200..5274, 5511..5988, 6025..6149, 6327..6486, 6533..6880		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54451	Strand	+
Start	1918	End	6880
Name	OJ991215_15.0127.C56.o1.np	Method	AAT/NAP
Start	2381	End	6858
GI	5295971	Score	5364
Exons	2381..6858		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54452	Strand	+
Start	8633	End	8930
Name	OJ991215_15.0127.C56.o3.np	Method	AAT/NAP
Start	8633	End	8930
GI	5734709	Score	67
Exons	8633..8930		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o1.gp	Method	AAT/GAP
Start	221	End	903
GI	62580_1.R1084	Score	1214

Exons	221..903		
GI Descrip.	'5091508/dbj|BAA78743.1| 1.0e-16 (AB023482) ESTs C22458(C62866),C22459(C62866) correspond to a region of the predicted gene.; Similar to genomic sequence of Arabidopsis thaliana BAC F8A5, complete sequence.(AC002292) [Oryza sativa]'		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o1.tm	Method	TBLASTX:Maize
Start	481	End	8125
GI	none	Score	48
Exons	481..528, 485..529, 487..528, 618..755, 621..851, 622..870, 622..870, 863..1105, 865..1155, 953..1141, 1265..1531, 1266..1532, 7960..8109, 7965..8054, 8036..8107, 8093..8125		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o1.gs	Method	GENSCAN
Start	507	End	1537
GI	none	Score	.63
Exons	507..1156, 1266..1537		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o1.ts	Method	TBLASTX:Soybean
Start	649	End	8073
GI	none	Score	110
Exons	649..822, 832..1155, 962..1138, 1265..1318, 1337..1528, 7960..8073		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o1.tc	Method	TBLASTX:Cress
Start	673	End	8073
GI	none	Score	90
Exons	673..1155, 962..1117, 1265..1528, 7960..8073		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o1.tw	Method	TBLASTX:Wheat
Start	886	End	1170
GI	none	Score	100
Exons	886..1170, 974..1138		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o2.gp	Method	AAT/GAP
Start	1069	End	8081
GI	70315_1.R1084	Score	891
Exons	1069..1156, 1266..1528, 7963..8081		
GI Descrip.	'5091508/dbj|BAA78743.1| 2.0e-55 (AB023482) ESTs		

C22458(C62866),C22459(C62866) correspond to a region of the predicted gene.; Similar to genomic sequence of Arabidopsis thaliana BAC F8A5, complete sequence.(AC002292) [Oryza sativa]'

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o7.tm	Method	TBLASTX:Maize
Start	2758	End	3011
GI	none	Score	126
Exons	2758..2883, 2766..2882, 2767..2883, 2877..2972, 2887..3009, 2887..3009, 2889..3011, 2936..3010		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o2.tm	Method	TBLASTX:Maize
Start	3221	End	3887
GI	none	Score	326
Exons	3221..3469, 3222..3440, 3233..3469, 3376..3486, 3439..3564, 3457..3516, 3538..3636, 3547..3666, 3548..3652, 3641..3886, 3643..3885, 3677..3886, 3678..3887		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o4.tw	Method	TBLASTX:Wheat
Start	3832	End	4188
GI	none	Score	46
Exons	3832..3885, 3846..3884, 3892..4113, 3919..4119, 4111..4188, 4120..4188		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o8.tm	Method	TBLASTX:Maize
Start	3918	End	4120
GI	none	Score	228
Exons	3918..4118, 3919..4119, 3922..4119, 3968..4120		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o5.ts	Method	TBLASTX:Soybean
Start	4117	End	4407
GI	none	Score	200
Exons	4117..4407, 4222..4302		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o2.tw	Method	TBLASTX:Wheat
Start	4261	End	4763
GI	none	Score	111
Exons	4261..4407, 4456..4686, 4686..4763		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56

Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o3.tm	Method	TBLASTX:Maize
Start	4456	End	4841
GI	none	Score	354
Exons	4456..4686, 4485..4685, 4487..4696, 4685..4840, 4686..4841		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o3.ts	Method	TBLASTX:Soybean
Start	4462	End	4925
GI	none	Score	222
Exons	4462..4686, 4530..4682, 4686..4754, 4779..4925		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o2.ts	Method	TBLASTX:Soybean
Start	5289	End	5781
GI	5509260	Score	167
Exons	5289..5519, 5363..5542, 5563..5781, 5598..5759		
GI Descrip.	-		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o6.tm	Method	TBLASTX:Maize
Start	5328	End	5631
GI	none	Score	218
Exons	5328..5519, 5330..5497, 5563..5631		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o3.tw	Method	TBLASTX:Wheat
Start	5456	End	6006
GI	none	Score	55
Exons	5456..5515, 5457..5519, 5563..5796, 5613..5792, 5914..6006		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o4.tm	Method	TBLASTX:Maize
Start	5833	End	6224
GI	none	Score	91
Exons	5833..6222, 5835..5891, 5877..6224, 5884..6222		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o2.np	Method	AAT/NAP
Start	6054	End	10540
GI	3056593	Score	64
Exons	6054..6176, 7424..7505, 7958..8075, 10516..10540		
GI Descrip.	(AC004255) T1F9.14 [Arabidopsis thaliana]		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o4.ts	Method	TBLASTX:Soybean
Start	6160	End	6742
GI	none	Score	118
Exons	6160..6321, 6361..6510, 6375..6512, 6545..6742, 6610..6696		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o5.tm	Method	TBLASTX:Maize
Start	6435	End	6824
GI	none	Score	93
Exons	6435..6512, 6436..6510, 6466..6504, 6509..6742, 6510..6548, 6545..6742, 6742..6822, 6743..6823, 6744..6824		

Seq. No.	26268	Seq. ID	OJ991215_15.0127.C56
Gene No.	54453	Strand	-
Start	221	End	11754
Name	OJ991215_15.0127.C56.o3.gs	Method	GENSCAN
Start	7542	End	11754
GI	none	Score	.74
Exons	7542..7619, 7963..8122, 9290..9521, 11739..11754		

Seq. No.	26269	Seq. ID	OJ991215_15.0127.C57
Gene No.	54454	Strand	+
Start	1	End	635
Name	OJ991215_15.0127.C57.o1.gp	Method	AAT/GAP
Start	1	End	150
GI	none	Score	274
Exons	1..150		

Seq. No.	26269	Seq. ID	OJ991215_15.0127.C57
Gene No.	54454	Strand	+
Start	1	End	635
Name	OJ991215_15.0127.C57.o1.tm	Method	TBLASTX:Maize
Start	1	End	610
GI	none	Score	87
Exons	1..66, 2..55, 86..163, 102..164, 102..164, 103..174, 106..168, 219..344, 263..292, 264..344, 265..345, 423..587, 425..610, 426..590		

Seq. No.	26269	Seq. ID	OJ991215_15.0127.C57
Gene No.	54454	Strand	+
Start	1	End	635
Name	OJ991215_15.0127.C57.o1.np	Method	AAT/NAP
Start	1	End	614
GI	2464872	Score	116
Exons	1..164, 263..343, 425..614		
GI Descrip.	(Z99707) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26269	Seq. ID	OJ991215_15.0127.C57
Gene No.	54454	Strand	+
Start	1	End	635
Name	OJ991215_15.0127.C57.o1.gs	Method	GENSCAN
Start	121	End	635

GI	none	Score	.68
Exons	121..164, 263..343, 448..635		

Seq. No.	26270	Seq. ID	OJ991215_15.0127.C58
Gene No.	54455	Strand	+
Start	1	End	410
Name	OJ991215_15.0127.C58.o1.gp	Method	AAT/GAP
Start	1	End	410
GI	5771042	Score	697
Exons	1..410		
GI Descrip.	5103807/gb|AAD39637.1|AC007591_2 2.0e-37 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]		

Seq. No.	26270	Seq. ID	OJ991215_15.0127.C58
Gene No.	54456	Strand	-
Start	194	End	387
Name	OJ991215_15.0127.C58.o1.gs	Method	GENSCAN
Start	194	End	387
GI	none	Score	.6
Exons	194..387		

Seq. No.	26271	Seq. ID	OJ991215_16.0125.C1
Gene No.	54457	Strand	-
Start	1	End	1333
Name	OJ991215_16.0125.C1.o1.gp	Method	AAT/GAP
Start	1	End	766
GI	none	Score	1226
Exons	1..355, 464..766		

Seq. No.	26271	Seq. ID	OJ991215_16.0125.C1
Gene No.	54457	Strand	-
Start	1	End	1333
Name	OJ991215_16.0125.C1.o1.gs	Method	GENSCAN
Start	319	End	1333
GI	none	Score	.43
Exons	319..355, 464..1333		

Seq. No.	26271	Seq. ID	OJ991215_16.0125.C1
Gene No.	54457	Strand	-
Start	1	End	1333
Name	OJ991215_16.0125.C1.o1.tm	Method	TBLASTX:Maize
Start	812	End	1243
GI	none	Score	114
Exons	812..994, 1109..1243		

Seq. No.	26272	Seq. ID	OJ991215_16.0125.C2
Gene No.	54458	Strand	-
Start	638	End	727
Name	OJ991215_16.0125.C2.o1.gp	Method	AAT/GAP
Start	638	End	727
GI	none	Score	163
Exons	638..727		

Seq. No.	26272	Seq. ID	OJ991215_16.0125.C2
Gene No.	54459	Strand	

Start	1102	End	1380
Name	OJ991215_16.0125.C2.o2.tm	Method	TBLASTX:Maize
Start	1102	End	1380
GI	none	Score	59
Exons	1102..1188, 1198..1380, 1268..1375		

Seq. No.	26272	Seq. ID	OJ991215_16.0125.C2
Gene No.	54460	Strand	
Start	1461	End	1992
Name	OJ991215_16.0125.C2.o1.tw	Method	TBLASTX:Wheat
Start	1461	End	1809
GI	none	Score	70
Exons	1461..1691, 1518..1715, 1711..1809, 1750..1806		

Seq. No.	26272	Seq. ID	OJ991215_16.0125.C2
Gene No.	54460	Strand	
Start	1461	End	1992
Name	OJ991215_16.0125.C2.o1.tm	Method	TBLASTX:Maize
Start	1536	End	1992
GI	none	Score	82
Exons	1536..1622, 1635..1703, 1729..1896, 1897..1992		

Seq. No.	26273	Seq. ID	OJ991215_16.0125.C6
Gene No.	54461	Strand	+
Start	12	End	380
Name	OJ991215_16.0125.C6.o1.gs	Method	GENSCAN
Start	12	End	380
GI	none	Score	.99
Exons	12..380		

Seq. No.	26273	Seq. ID	OJ991215_16.0125.C6
Gene No.	54462	Strand	-
Start	3531	End	3971
Name	OJ991215_16.0125.C6.o2.gs	Method	GENSCAN
Start	3531	End	3971
GI	none	Score	.56
Exons	3531..3644, 3706..3971		

Seq. No.	26274	Seq. ID	OJ991215_16.0125.C7
Gene No.	54463	Strand	+
Start	222	End	2535
Name	OJ991215_16.0125.C7.o1.gs	Method	GENSCAN
Start	222	End	1842
GI	none	Score	.72
Exons	222..371, 649..808, 1202..1842		

Seq. No.	26274	Seq. ID	OJ991215_16.0125.C7
Gene No.	54463	Strand	+
Start	222	End	2535
Name	OJ991215_16.0125.C7.o1.np	Method	AAT/NAP
Start	222	End	2535
GI	6016874	Score	1687
Exons	222..300, 384..808, 1202..1381, 1499..1855, 2305..2535		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	26274	Seq. ID	OJ991215_16.0125.C7
Gene No.	54463	Strand	+
Start	222	End	2535
Name	OJ991215_16.0125.C7.o2.tm	Method	TBLASTX:Maize
Start	637	End	864
GI	none	Score	232
Exons	637..864, 645..863		

Seq. No.	26274	Seq. ID	OJ991215_16.0125.C7
Gene No.	54463	Strand	+
Start	222	End	2535
Name	OJ991215_16.0125.C7.o1.tm	Method	TBLASTX:Maize
Start	1069	End	1553
GI	none	Score	240
Exons	1069..1350, 1080..1421, 1464..1553		

Seq. No.	26274	Seq. ID	OJ991215_16.0125.C7
Gene No.	54463	Strand	+
Start	222	End	2535
Name	OJ991215_16.0125.C7.o3.tm	Method	TBLASTX:Maize
Start	1555	End	1776
GI	none	Score	213
Exons	1555..1776, 1566..1691		

Seq. No.	26275	Seq. ID	OJ991215_16.0125.C8
Gene No.	54464	Strand	+
Start	168	End	678
Name	OJ991215_16.0125.C8.o1.gs	Method	GENSCAN
Start	168	End	678
GI	none	Score	.76
Exons	168..240, 551..678		

Seq. No.	26275	Seq. ID	OJ991215_16.0125.C8
Gene No.	54465	Strand	+
Start	599	End	898
Name	OJ991215_16.0125.C8.o1.np	Method	AAT/NAP
Start	599	End	898
GI	5922628	Score	118
Exons	599..729, 854..898		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26275	Seq. ID	OJ991215_16.0125.C8
Gene No.	54466	Strand	-
Start	1639	End	7798
Name	OJ991215_16.0125.C8.o2.gs	Method	GENSCAN
Start	1639	End	7798
GI	none	Score	.89
Exons	1639..1968, 2010..2141, 3316..3573, 3658..3822, 4301..4477, 5326..5490, 5741..5849, 5971..6007, 6360..6453, 7034..7122, 7201..7798		

Seq. No.	26275	Seq. ID	OJ991215_16.0125.C8
Gene No.	54466	Strand	-
Start	1639	End	7798
Name	OJ991215_16.0125.C8.o1.gp	Method	AAT/GAP

Start	3208	End	4369
GI	none	Score	838
Exons	3208..3573, 4301..4369		

Seq. No.	26275	Seq. ID	OJ991215_16.0125.C8
Gene No.	54466	Strand	-
Start	1639	End	7798
Name	OJ991215_16.0125.C8.o2.np	Method	AAT/NAP
Start	4121	End	7513
GI	2982463	Score	213
Exons	4121..4158, 6012..6085, 6322..6453, 7034..7122, 7201..7513		
GI Descrip.	(AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	26275	Seq. ID	OJ991215_16.0125.C8
Gene No.	54466	Strand	-
Start	1639	End	7798
Name	OJ991215_16.0125.C8.o2.gp	Method	AAT/GAP
Start	4376	End	6024
GI	LIB3431-021-P1-K1-G2	Score	744
Exons	4376..4477, 5326..5490, 5591..5632, 5741..5849, 5971..6024		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 6.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	26275	Seq. ID	OJ991215_16.0125.C8
Gene No.	54467	Strand	-
Start	9852	End	10910
Name	OJ991215_16.0125.C8.o3.gs	Method	GENSCAN
Start	9852	End	10910
GI	none	Score	.74
Exons	9852..9949, 10190..10910		

Seq. No.	26276	Seq. ID	OJ991215_16.0125.C9
Gene No.	54468	Strand	+
Start	1	End	148
Name	OJ991215_16.0125.C9.o1.gp	Method	AAT/GAP
Start	1	End	148
GI	3763456	Score	253
Exons	1..148		

Seq. No.	26276	Seq. ID	OJ991215_16.0125.C9
Gene No.	54469	Strand	+
Start	137	End	209
Name	OJ991215_16.0125.C9.o1.gs	Method	GENSCAN
Start	137	End	209
GI	none	Score	.53
Exons	137..209		

Seq. No.	26277	Seq. ID	OJ991215_16.0125.C10
Gene No.	54470	Strand	-
Start	1	End	1040
Name	OJ991215_16.0125.C10.o1.np	Method	AAT/NAP
Start	1	End	1040
GI	6006869	Score	473
Exons	1..126, 189..291, 394..598, 935..1040		
GI Descrip.	(AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]		

Seq. No.	26277	Seq. ID	OJ991215_16.0125.C10
Gene No.	54470	Strand	-
Start	1	End	1040
Name	OJ991215_16.0125.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	293
GI	none	Score	70
Exons	1..72, 2..55, 59..100, 60..107, 61..108, 207..293, 208..288		

Seq. No.	26277	Seq. ID	OJ991215_16.0125.C10
Gene No.	54470	Strand	-
Start	1	End	1040
Name	OJ991215_16.0125.C10.o1.gs	Method	GENSCAN
Start	207	End	869
GI	none	Score	.9
Exons	207..291, 394..639, 796..869		

Seq. No.	26277	Seq. ID	OJ991215_16.0125.C10
Gene No.	54470	Strand	-
Start	1	End	1040
Name	OJ991215_16.0125.C10.o1.tc	Method	TBLASTX:Cress
Start	261	End	597
GI	none	Score	43
Exons	261..290, 262..291, 393..596, 394..597		

Seq. No.	26277	Seq. ID	OJ991215_16.0125.C10
Gene No.	54470	Strand	-
Start	1	End	1040
Name	OJ991215_16.0125.C10.o1.gp	Method	AAT/GAP
Start	397	End	595
GI	26444_1.R1084	Score	375
Exons	397..595		
GI Descrip.	'6006869/gb|AAF00645.1|AC009540_22 2.0e-37 (AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]'		

Seq. No.	26277	Seq. ID	OJ991215_16.0125.C10
Gene No.	54470	Strand	-
Start	1	End	1040
Name	OJ991215_16.0125.C10.o1.ts	Method	TBLASTX:Soybean
Start	397	End	597
GI	none	Score	154
Exons	397..597, 397..591, 399..596		

Seq. No.	26278	Seq. ID	OJ991215_16.0125.C11
Gene No.	54471	Strand	+
Start	5118	End	6745
Name	OJ991215_16.0125.C11.o2.gs	Method	GENSCAN
Start	5118	End	6745
GI	none	Score	.79
Exons	5118..5373, 5525..5694, 6295..6513, 6653..6745		

Seq. No.	26278	Seq. ID	OJ991215_16.0125.C11
Gene No.	54472	Strand	-
Start	1789	End	3071
Name	OJ991215_16.0125.C11.o1.gs	Method	GENSCAN
Start	1789	End	3071
GI	none	Score	.66
Exons	1789..1889, 1982..2083, 2945..3071		

Seq. No.	26278	Seq. ID	OJ991215_16.0125.C11
Gene No.	54473	Strand	-
Start	3672	End	9030
Name	OJ991215_16.0125.C11.o1.np	Method	AAT/NAP
Start	3672	End	9030
GI	2429362	Score	158
Exons	3672..3881, 5167..5421, 8873..9030		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		

Seq. No.	26279	Seq. ID	OJ991215_16.0125.C12
Gene No.	54474	Strand	+
Start	275	End	4053
Name	OJ991215_16.0125.C12.o1.np	Method	AAT/NAP
Start	275	End	4053
GI	5042454	Score	3316
Exons	275..419, 752..862, 919..2628, 3265..4053		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26279	Seq. ID	OJ991215_16.0125.C12
Gene No.	54474	Strand	+
Start	275	End	4053
Name	OJ991215_16.0125.C12.o1.tw	Method	TBLASTX:Wheat
Start	1431	End	1983
GI	none	Score	34
Exons	1431..1466, 1591..1638, 1645..1743, 1650..1742, 1710..1982, 1726..1983		

Seq. No.	26279	Seq. ID	OJ991215_16.0125.C12
Gene No.	54474	Strand	+
Start	275	End	4053
Name	OJ991215_16.0125.C12.o1.tm	Method	TBLASTX:Maize
Start	1596	End	1872
GI	none	Score	194
Exons	1596..1871, 1633..1872		

Seq. No.	26279	Seq. ID	OJ991215_16.0125.C12
Gene No.	54474	Strand	+
Start	275	End	4053
Name	OJ991215_16.0125.C12.o1.gp	Method	AAT/GAP
Start	2769	End	3231
GI	2428323	Score	637
Exons	2769..3231		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	26279	Seq. ID	OJ991215_16.0125.C12
Gene No.	54474	Strand	+
Start	275	End	4053
Name	OJ991215_16.0125.C12.o2.tw	Method	TBLASTX:Wheat
Start	3620	End	3916
GI	none	Score	263
Exons	3620..3916, 3637..3705, 3680..3823, 3748..3912		

Seq. No.	26280	Seq. ID	OJ991215_16.0125.C13
Gene No.	54475	Strand	+
Start	618	End	10025

Name	OJ991215_16.0125.C13.o1.gs	Method	GENSCAN
Start	618	End	10025
GI	none	Score	.72
Exons	618..724, 781..868, 978..1091, 2167..2502, 2571..2689, 4011..4104, 4418..4479, 5128..5169, 5476..5637, 5743..5922, 6804..6968, 7627..7863, 8728..8770, 9853..10025		

Seq. No.	26280	Seq. ID	OJ991215_16.0125.C13
Gene No.	54475	Strand	+
Start	618	End	10025
Name	OJ991215_16.0125.C13.o2.np	Method	AAT/NAP
Start	2220	End	4604
GI	2982463	Score	213
Exons	2220..2466, 2571..2659, 4011..4104, 4418..4479, 4553..4604		
GI Descrip.	(AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	26280	Seq. ID	OJ991215_16.0125.C13
Gene No.	54475	Strand	+
Start	618	End	10025
Name	OJ991215_16.0125.C13.o1.gp	Method	AAT/GAP
Start	5762	End	6926
GI	none	Score	747
Exons	5762..5922, 6108..6274, 6804..6926		

Seq. No.	26280	Seq. ID	OJ991215_16.0125.C13
Gene No.	54476	Strand	-
Start	766	End	1310
Name	OJ991215_16.0125.C13.o1.np	Method	AAT/NAP
Start	766	End	1310
GI	6539585	Score	199
Exons	766..857, 1155..1310		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	26280	Seq. ID	OJ991215_16.0125.C13
Gene No.	54477	Strand	-
Start	10155	End	10752
Name	OJ991215_16.0125.C13.o2.gs	Method	GENSCAN
Start	10155	End	10752
GI	none	Score	.64
Exons	10155..10341, 10631..10752		

Seq. No.	26280	Seq. ID	OJ991215_16.0125.C13
Gene No.	54478	Strand	-
Start	12189	End	19739
Name	OJ991215_16.0125.C13.o1.tm	Method	TBLASTX:Maize
Start	2180	End	2652
GI	none	Score	53
Exons	2180..2284, 2184..2285, 2328..2465, 2336..2449, 2572..2652, 2575..2652		

Seq. No.	26280	Seq. ID	OJ991215_16.0125.C13
Gene No.	54478	Strand	-
Start	12189	End	19739
Name	OJ991215_16.0125.C13.o1.tc	Method	TBLASTX:Cress
Start	2244	End	2653
GI	none	Score	50
Exons	2244..2285, 2328..2465, 2345..2452, 2572..2652, 2573..2653		

Seq. No.	26280	Seq. ID	OJ991215_16.0125.C13
Gene No.	54478	Strand	-
Start	12189	End	19739
Name	OJ991215_16.0125.C13.o3.np	Method	AAT/NAP
Start	12189	End	19739
GI	2052096	Score	63
Exons	12189..12475, 16658..16741, 19706..19739		
GI Descrip.	(X99452) extensin-like protein Dif54 [Lycopersicon esculentum]		

Seq. No.	26280	Seq. ID	OJ991215_16.0125.C13
Gene No.	54478	Strand	-
Start	12189	End	19739
Name	OJ991215_16.0125.C13.o1.ts	Method	TBLASTX:Soybean
Start	12484	End	17157
GI	none	Score	279
Exons	12484..12696, 12491..12775, 12749..12814, 16762..16974, 16769..17053, 17027..17092, 17035..17157		

Seq. No.	26281	Seq. ID	OJ991215_16.0125.C14
Gene No.	54479	Strand	+
Start	869	End	2769
Name	OJ991215_16.0125.C14.o1.gs	Method	GENSCAN
Start	869	End	2769
GI	none	Score	.75
Exons	869..980, 1093..1296, 1398..1548, 2534..2604, 2684..2769		

Seq. No.	26281	Seq. ID	OJ991215_16.0125.C14
Gene No.	54479	Strand	+
Start	869	End	2769
Name	OJ991215_16.0125.C14.o1.tm	Method	TBLASTX:Maize
Start	1134	End	2270
GI	none	Score	190
Exons	1134..1295, 1172..1294, 2213..2269, 2214..2270		

Seq. No.	26282	Seq. ID	OJ991215_16.0125.C15
Gene No.	54480	Strand	+
Start	381	End	996
Name	OJ991215_16.0125.C15.o1.gp	Method	AAT/GAP
Start	381	End	996
GI	none	Score	1053
Exons	381..996		

Seq. No.	26282	Seq. ID	OJ991215_16.0125.C15
Gene No.	54481	Strand	-
Start	655	End	3587
Name	OJ991215_16.0125.C15.o1.tm	Method	TBLASTX:Maize
Start	630	End	3580
GI	none	Score	38
Exons	630..665, 630..680, 787..948, 791..949, 792..950, 1045..1128, 1046..1123, 1053..1136, 1218..1262, 1218..1265, 1219..1362, 1220..1333, 1415..1534, 1419..1523, 1618..1662, 1619..1666, 1628..1666, 1652..1852, 1677..1853, 1704..1853, 2011..2193, 2012..2194, 2030..2194, 2665..2733, 2668..2733, 2669..2770, 2669..2734, 2817..2996, 2818..3015, 2819..2995, 3086..3184, 3086..3178, 3087..3185, 3087..3188, 3266..3364, 3267..3386, 3268..3390, 3269..3388, 3477..3557, 3479..3580, 3480..3566		

Seq. No.	26282	Seq. ID	OJ991215_16.0125.C15
Gene No.	54481	Strand	-
Start	655	End	3587
Name	OJ991215_16.0125.C15.o1.gs	Method	GENSCAN
Start	655	End	3321
GI	none	Score	.82
Exons	655..668, 787..949, 1046..1121, 1425..1530, 1618..1852, 2032..2190, 2668..2734, 2822..2912, 2995..3120, 3150..3185, 3225..3321		

Seq. No.	26282	Seq. ID	OJ991215_16.0125.C15
Gene No.	54481	Strand	-
Start	655	End	3587
Name	OJ991215_16.0125.C15.o1.np	Method	AAT/NAP
Start	804	End	3587
GI	6006869	Score	1026
Exons	804..949, 1046..1121, 1220..1332, 1425..1639, 1741..1852, 2032..2190, 2668..2734, 2822..2994, 3089..3185, 3267..3385, 3476..3587		
GI Descrip.	(AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]		

Seq. No.	26282	Seq. ID	OJ991215_16.0125.C15
Gene No.	54481	Strand	-
Start	655	End	3587
Name	OJ991215_16.0125.C15.o1.ts	Method	TBLASTX:Soybean
Start	820	End	1262
GI	none	Score	95
Exons	820..942, 821..943, 847..951, 1001..1123, 1045..1128, 1218..1262		

Seq. No.	26282	Seq. ID	OJ991215_16.0125.C15
Gene No.	54481	Strand	-
Start	655	End	3587
Name	OJ991215_16.0125.C15.o2.tc	Method	TBLASTX:Cress
Start	820	End	2193
GI	none	Score	107
Exons	820..942, 821..943, 1045..1128, 1218..1262, 1219..1305, 1751..1852, 1755..1853, 1755..1853, 2011..2193, 2027..2191, 2029..2193		

Seq. No.	26282	Seq. ID	OJ991215_16.0125.C15
Gene No.	54481	Strand	-
Start	655	End	3587
Name	OJ991215_16.0125.C15.o2.ts	Method	TBLASTX:Soybean
Start	2062	End	2964
GI	none	Score	86
Exons	2062..2193, 2066..2191, 2668..2736, 2815..2964, 2816..2956		

Seq. No.	26282	Seq. ID	OJ991215_16.0125.C15
Gene No.	54481	Strand	-
Start	655	End	3587
Name	OJ991215_16.0125.C15.o2.gp	Method	AAT/GAP
Start	2098	End	3302
GI	LIB3434-039-P1-K1-G10	Score	1016
Exons	2098..2190, 2668..2734, 2822..3185, 3267..3302		
GI Descrip.	'6006869/gb|AAF00645.1|AC009540_22 7.0e-58 (AC009540) putative		

cationic amino acid transporter [Arabidopsis thaliana]'

Seq. No.	26282	Seq. ID	OJ991215_16.0125.C15
Gene No.	54481	Strand	-
Start	655	End	3587
Name	OJ991215_16.0125.C15.o1.tc	Method	TBLASTX:Cress
Start	2857	End	3562
GI	none	Score	163
Exons	2857..3015, 2858..2995, 2874..2996, 3086..3178, 3087..3182, 3088..3195, 3264..3386, 3266..3364, 3279..3386, 3479..3562, 3509..3559		

Seq. No.	26283	Seq. ID	OJ991215_16.0125.C16
Gene No.	54482	Strand	+
Start	435	End	915
Name	OJ991215_16.0125.C16.o1.gs	Method	GENSCAN
Start	435	End	915
GI	none	Score	.58
Exons	435..502, 798..915		

Seq. No.	26284	Seq. ID	OJ991215_16.0125.C17
Gene No.	54483	Strand	-
Start	850	End	5580
Name	OJ991215_16.0125.C17.o1.gp	Method	AAT/GAP
Start	850	End	2518
GI	15322_1.R1084	Score	1716
Exons	850..1402, 1911..2114, 2212..2374, 2494..2518		
GI Descrip.	'4512685/gb|AAD21739.1| 3.0e-27 (AC006931) hypothetical protein [Arabidopsis thaliana] >gi_4559325_gb_AAD22987.1_AC007087_6 (AC007087) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	26284	Seq. ID	OJ991215_16.0125.C17
Gene No.	54483	Strand	-
Start	850	End	5580
Name	OJ991215_16.0125.C17.o1.np	Method	AAT/NAP
Start	1272	End	5580
GI	6714305	Score	275
Exons	1272..1402, 1911..2134, 2226..2374, 2494..2615, 3000..3118, 5549..5580		
GI Descrip.	(AC013354) F15H18.4 [Arabidopsis thaliana]		

Seq. No.	26284	Seq. ID	OJ991215_16.0125.C17
Gene No.	54483	Strand	-
Start	850	End	5580
Name	OJ991215_16.0125.C17.o1.tc	Method	TBLASTX:Cress
Start	1907	End	2151
GI	none	Score	146
Exons	1907..2143, 1909..2151		

Seq. No.	26284	Seq. ID	OJ991215_16.0125.C17
Gene No.	54483	Strand	-
Start	850	End	5580
Name	OJ991215_16.0125.C17.o1.tw	Method	TBLASTX:Wheat
Start	1909	End	2368
GI	none	Score	78
Exons	1909..2106, 1909..2112, 1922..2107, 2261..2368, 2262..2357		

Seq. No.	26284	Seq. ID	OJ991215_16.0125.C17
Gene No.	54483	Strand	-
Start	850	End	5580
Name	OJ991215_16.0125.C17.o1.tm	Method	TBLASTX:Maize
Start	1912	End	2617
GI	none	Score	200
Exons	1912..2115, 1928..2113, 2255..2374, 2259..2357, 2261..2374, 2491..2544, 2498..2545, 2542..2616, 2543..2617		

Seq. No.	26284	Seq. ID	OJ991215_16.0125.C17
Gene No.	54483	Strand	-
Start	850	End	5580
Name	OJ991215_16.0125.C17.o1.ts	Method	TBLASTX:Soybean
Start	1921	End	2374
GI	none	Score	156
Exons	1921..2112, 1925..2113, 1949..2113, 2249..2374, 2250..2357		

Seq. No.	26284	Seq. ID	OJ991215_16.0125.C17
Gene No.	54483	Strand	-
Start	850	End	5580
Name	OJ991215_16.0125.C17.o2.gp	Method	AAT/GAP
Start	2565	End	3329
GI	5004974	Score	657
Exons	2565..2615, 3000..3329		

Seq. No.	26285	Seq. ID	OJ991215_16.0125.C18
Gene No.	54484	Strand	+
Start	225	End	464
Name	OJ991215_16.0125.C18.o1.gs	Method	GENSCAN
Start	225	End	464
GI	none	Score	.64
Exons	225..464		

Seq. No.	26285	Seq. ID	OJ991215_16.0125.C18
Gene No.	54485	Strand	+
Start	954	End	1302
Name	OJ991215_16.0125.C18.o1.gp	Method	AAT/GAP
Start	954	End	1302
GI	none	Score	563
Exons	954..1302		

Seq. No.	26285	Seq. ID	OJ991215_16.0125.C18
Gene No.	54486	Strand	-
Start	1090	End	1457
Name	OJ991215_16.0125.C18.o2.gs	Method	GENSCAN
Start	1090	End	1457
GI	none	Score	.97
Exons	1090..1457		

Seq. No.	26286	Seq. ID	OJ991215_16.0125.C19
Gene No.	54487	Strand	-
Start	75	End	458
Name	OJ991215_16.0125.C19.o1.tm	Method	TBLASTX:Maize
Start	64	End	405
GI	none	Score	93
Exons	64..162, 65..166, 267..404, 267..404, 271..405		

Seq. No.	26286	Seq. ID	OJ991215_16.0125.C19
Gene No.	54487	Strand	-
Start	75	End	458
Name	OJ991215_16.0125.C19.o1.gs	Method	GENSCAN
Start	75	End	458
GI	none	Score	.57
Exons	75..165, 267..458		

Seq. No.	26286	Seq. ID	OJ991215_16.0125.C19
Gene No.	54488	Strand	
Start	406	End	1082
Name	OJ991215_16.0125.C19.o2.tm	Method	TBLASTX:Maize
Start	406	End	1082
GI	none	Score	74
Exons	406..459, 408..458, 911..1063, 918..1082, 921..1079		

Seq. No.	26286	Seq. ID	OJ991215_16.0125.C19
Gene No.	54488	Strand	
Start	406	End	1082
Name	OJ991215_16.0125.C19.o1.ts	Method	TBLASTX:Soybean
Start	911	End	1082
GI	none	Score	194
Exons	911..1063, 912..1082		

Seq. No.	26287	Seq. ID	OJ991215_16.0125.C20
Gene No.	54489	Strand	-
Start	1	End	4805
Name	OJ991215_16.0125.C20.o1.np	Method	AAT/NAP
Start	1	End	1977
GI	585155	Score	86
Exons	1..26, 216..370, 1121..1270, 1537..1634, 1859..1977		
GI Descrip.	FOLYLPOLYGLUTAMATE SYNTHASE (FOLYLPOLY-GAMMA-GLUTAMATE SYNTHETASE) (FPGS) gi|421496|pir||B40646 folC - Bacillus subtilis gi|142936 (L04520) folyl-polyglutamate synthetase [Bacillus subtilis] gi|2635273|emb|CAB14768| (Z99118) folyl-polyglutamate synthetase [Bacillus subtilis]		

Seq. No.	26287	Seq. ID	OJ991215_16.0125.C20
Gene No.	54489	Strand	-
Start	1	End	4805
Name	OJ991215_16.0125.C20.o1.gs	Method	GENSCAN
Start	1198	End	4805
GI	none	Score	.62
Exons	1198..1270, 1537..1634, 1859..2366, 3310..3451, 4793..4805		

Seq. No.	26288	Seq. ID	OJ991215_16.0125.C21
Gene No.	54490	Strand	-
Start	1	End	1409
Name	OJ991215_16.0125.C21.o1.gp	Method	AAT/GAP
Start	1	End	1409
GI	183_3.R1084	Score	1063
Exons	1..160, 858..945, 1043..1409		
GI Descrip.	'1362086/pir||S57636 0.0e+00 5-methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase (EC 2.1.1.14) - Madagascar periwinkle >gi_2129919_pir__S65957 5-methyltetrahydropteroyltriglutamate--homocysteine		

S-methyltransferase (EC 2.1.1.14) - Madagascar periwinkle >gi_886471_emb_CAA58474_ (X83499) methionine synthase [Catharanthus roseus]'

Seq. No.	26288	Seq. ID	OJ991215_16.0125.C21
Gene No.	54490	Strand	-
Start	1	End	1409
Name	OJ991215_16.0125.C21.o1.np	Method	AAT/NAP
Start	1	End	1391
GI	1362086	Score	784
Exons	1..160, 858..945, 1043..1391		
GI Descrip.	5-methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase (EC 2.1.1.14) - Madagascar periwinkle gi|2129919|pir||S65957 5-methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase (EC 2.1.1.14) - Madagascar periwinkle gi|886471|emb|CAA58474| (X83499) methionine synthase [Catharanthus roseus]		

Seq. No.	26288	Seq. ID	OJ991215_16.0125.C21
Gene No.	54490	Strand	-
Start	1	End	1409
Name	OJ991215_16.0125.C21.o1.tc	Method	TBLASTX:Cress
Start	14	End	1395
GI	none	Score	119
Exons	14..160, 26..160, 855..944, 859..945, 860..946, 1040..1369, 1044..1370, 1045..1368, 1354..1395		

Seq. No.	26288	Seq. ID	OJ991215_16.0125.C21
Gene No.	54490	Strand	-
Start	1	End	1409
Name	OJ991215_16.0125.C21.o1.tm	Method	TBLASTX:Maize
Start	14	End	1396
GI	none	Score	169
Exons	14..160, 29..160, 34..162, 97..198, 855..944, 856..945, 860..946, 883..945, 1040..1369, 1041..1364, 1044..1370, 1045..1368, 1350..1394, 1351..1395, 1351..1395, 1355..1396		

Seq. No.	26288	Seq. ID	OJ991215_16.0125.C21
Gene No.	54490	Strand	-
Start	1	End	1409
Name	OJ991215_16.0125.C21.o1.ts	Method	TBLASTX:Soybean
Start	32	End	1397
GI	none	Score	98
Exons	32..160, 45..119, 852..932, 855..944, 856..945, 1040..1369, 1045..1368, 1350..1397		

Seq. No.	26288	Seq. ID	OJ991215_16.0125.C21
Gene No.	54490	Strand	-
Start	1	End	1409
Name	OJ991215_16.0125.C21.o1.gs	Method	GENSCAN
Start	33	End	1362
GI	none	Score	.99
Exons	33..160, 858..945, 1043..1362		

Seq. No.	26288	Seq. ID	OJ991215_16.0125.C21
Gene No.	54490	Strand	-

Start	1	End	1409
Name	OJ991215_16.0125.C21.o1.tw	Method	TBLASTX:Wheat
Start	1040	End	1393
GI	none	Score	468
Exons	1040..1369, 1041..1118, 1044..1370, 1045..1368, 1351..1392, 1355..1393		

Seq. No.	26289	Seq. ID	OJ991215_16.0125.C22
Gene No.	54491	Strand	+
Start	36	End	483
Name	OJ991215_16.0125.C22.o1.gs	Method	GENSCAN
Start	36	End	483
GI	none	Score	.96
Exons	36..133, 312..483		

Seq. No.	26290	Seq. ID	OJ991215_16.0125.C23
Gene No.	54492	Strand	-
Start	565	End	1073
Name	OJ991215_16.0125.C23.o1.gs	Method	GENSCAN
Start	565	End	1028
GI	none	Score	.63
Exons	565..735, 972..1028		

Seq. No.	26290	Seq. ID	OJ991215_16.0125.C23
Gene No.	54492	Strand	-
Start	565	End	1073
Name	OJ991215_16.0125.C23.o1.np	Method	AAT/NAP
Start	682	End	1073
GI	5042454	Score	118
Exons	682..735, 972..1073		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26291	Seq. ID	OJ991215_10.0125.C1
Gene No.	54493	Strand	-
Start	571	End	999
Name	OJ991215_10.0125.C1.o1.np	Method	AAT/NAP
Start	571	End	999
GI	6539570	Score	172
Exons	571..637, 796..999		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	26291	Seq. ID	OJ991215_10.0125.C1
Gene No.	54494	Strand	-
Start	1126	End	1211
Name	OJ991215_10.0125.C1.o2.np	Method	AAT/NAP
Start	1126	End	1211
GI	6630699	Score	85
Exons	1126..1211		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26292	Seq. ID	OJ991215_10.0125.C2
Gene No.	54495	Strand	-
Start	248	End	491
Name	OJ991215_10.0125.C2.o1.gs	Method	GENSCAN
Start	248	End	491

GI	none	Score	.45
Exons	248..491		

Seq. No.	26293	Seq. ID	OJ991215_10.0125.C3
Gene No.	54496	Strand	+
Start	1089	End	4124
Name	OJ991215_10.0125.C3.o1.np	Method	AAT/NAP
Start	1089	End	4124
GI	4680179	Score	612
Exons	1089..1948, 2111..2352, 4102..4124		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26293	Seq. ID	OJ991215_10.0125.C3
Gene No.	54496	Strand	+
Start	1089	End	4124
Name	OJ991215_10.0125.C3.o1.gs	Method	GENSCAN
Start	1110	End	4007
GI	none	Score	.68
Exons	1110..2429, 2804..2996, 3148..3270, 3974..4007		

Seq. No.	26293	Seq. ID	OJ991215_10.0125.C3
Gene No.	54496	Strand	+
Start	1089	End	4124
Name	OJ991215_10.0125.C3.o1.tw	Method	TBLASTX:Wheat
Start	1332	End	1691
GI	none	Score	280
Exons	1332..1691, 1334..1687		

Seq. No.	26293	Seq. ID	OJ991215_10.0125.C3
Gene No.	54496	Strand	+
Start	1089	End	4124
Name	OJ991215_10.0125.C3.o1.tm	Method	TBLASTX:Maize
Start	1572	End	1871
GI	none	Score	224
Exons	1572..1871, 1586..1675		

Seq. No.	26293	Seq. ID	OJ991215_10.0125.C3
Gene No.	54496	Strand	+
Start	1089	End	4124
Name	OJ991215_10.0125.C3.o2.tw	Method	TBLASTX:Wheat
Start	1692	End	1928
GI	none	Score	173
Exons	1692..1928, 1692..1769		

Seq. No.	26293	Seq. ID	OJ991215_10.0125.C3
Gene No.	54496	Strand	+
Start	1089	End	4124
Name	OJ991215_10.0125.C3.o3.np	Method	AAT/NAP
Start	2270	End	2402
GI	130582	Score	41
Exons	2270..2402		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4

Gene No.	54497	Strand	+
Start	1	End	3251
Name	OJ991215_10.0125.C4.o1.np	Method	AAT/NAP
Start	1	End	3248
GI	6498441	Score	3809
Exons	1..815, 1008..1304, 1476..2873, 2967..3248		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54497	Strand	+
Start	1	End	3251
Name	OJ991215_10.0125.C4.o1.gs	Method	GENSCAN
Start	360	End	3251
GI	none	Score	1
Exons	360..3251		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54498	Strand	+
Start	3410	End	3655
Name	OJ991215_10.0125.C4.o1.gp	Method	AAT/GAP
Start	3410	End	3655
GI	2428323	Score	406
Exons	3410..3655		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54499	Strand	+
Start	4174	End	6276
Name	OJ991215_10.0125.C4.o2.gs	Method	GENSCAN
Start	4174	End	6276
GI	none	Score	.59
Exons	4174..4190, 4614..4998, 5008..5115, 5150..5630, 5674..5759, 6172..6276		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54499	Strand	+
Start	4174	End	6276
Name	OJ991215_10.0125.C4.o2.np	Method	AAT/NAP
Start	4379	End	6273
GI	6907087	Score	1113
Exons	4379..4761, 4970..5630, 6172..6273		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54500	Strand	+
Start	6739	End	7124
Name	OJ991215_10.0125.C4.o2.gp	Method	AAT/GAP
Start	6739	End	7124
GI	uC-osf1cyp033a04b1	Score	641
Exons	6739..7124		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54501	Strand	-
Start	6668	End	11375
Name	OJ991215_10.0125.C4.o3.np	Method	AAT/NAP
Start	6668	End	8621
GI	4680186	Score	216
Exons	6668..6872, 8491..8621		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54501	Strand	-
Start	6668	End	11375
Name	OJ991215_10.0125.C4.o4.gs	Method	GENSCAN
Start	8074	End	11375
GI	none	Score	.58
Exons	8074..10018, 10114..11375		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54501	Strand	-
Start	6668	End	11375
Name	OJ991215_10.0125.C4.o4.np	Method	AAT/NAP
Start	8077	End	11375
GI	5803259	Score	4961
Exons	8077..9747, 9790..10018, 10114..11375		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o2.tm	Method	TBLASTX:Maize
Start	333	End	635
GI	none	Score	164
Exons	333..503, 338..496, 522..635, 566..604		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o5.tw	Method	TBLASTX:Wheat
Start	351	End	1175
GI	none	Score	241
Exons	351..605, 393..596, 1107..1175		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o2.tw	Method	TBLASTX:Wheat
Start	1176	End	1610
GI	none	Score	233
Exons	1176..1400, 1191..1400, 1241..1426, 1461..1610, 1472..1609		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o6.tw	Method	TBLASTX:Wheat
Start	1613	End	1925
GI	none	Score	183

Exons	1613..1711, 1665..1925		
Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o1.tm	Method	TBLASTX:Maize
Start	2118	End	2441
GI	none	Score	364
Exons	2118..2441, 2147..2428		
Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o1.tw	Method	TBLASTX:Wheat
Start	2255	End	2636
GI	none	Score	368
Exons	2255..2311, 2256..2636, 2256..2597, 2357..2605		
Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o3.tw	Method	TBLASTX:Wheat
Start	2637	End	3239
GI	none	Score	250
Exons	2637..2927, 2637..3053, 2639..2947, 3024..3083, 3113..3235, 3114..3239		
Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o3.tm	Method	TBLASTX:Maize
Start	3108	End	3263
GI	none	Score	189
Exons	3108..3263, 3113..3247		
Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o6.np	Method	AAT/NAP
Start	11912	End	15988
GI	4680204	Score	945
Exons	11912..12128, 14102..14546, 14621..15988		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o7.np	Method	AAT/NAP
Start	12095	End	14339
GI	728868	Score	130
Exons	12095..12185, 14105..14339		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica napus]		
Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4

Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o5.np	Method	AAT/NAP
Start	12191	End	13084
GI	5922623	Score	164
Exons	12191..12266, 12435..12589, 13011..13084		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o5.gs	Method	GENSCAN
Start	12497	End	15913
GI	none	Score	.79
Exons	12497..12589, 13004..13100, 13162..13335, 13447..14132, 14134..14279, 14405..14546, 14621..14740, 14786..15913		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o4.gp	Method	AAT/GAP
Start	13547	End	14025
GI	uC-osflcyp176f10b1	Score	870
Exons	13547..14025		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	26294	Seq. ID	OJ991215_10.0125.C4
Gene No.	54502	Strand	-
Start	11912	End	15988
Name	OJ991215_10.0125.C4.o4.tw	Method	TBLASTX:Wheat
Start	15014	End	15414
GI	none	Score	83
Exons	15014..15181, 15144..15311, 15176..15412, 15263..15412, 15274..15414, 15298..15414		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o1.gs	Method	GENSCAN
Start	592	End	3969
GI	none	Score	.63
Exons	592..1096, 1178..1276, 2356..2748, 2778..3132, 3312..3446, 3820..3969		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o1.gp	Method	AAT/GAP
Start	1419	End	4069
GI	342_1.R1084	Score	4220
Exons	1419..1935, 2045..2142, 2225..2244, 2280..3762, 3786..4069		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o5.gp	Method	AAT/GAP
Start	1589	End	4069
GI	342_1.R1084	Score	3928
Exons	1589..1935, 2045..2142, 2225..2244, 2280..3762, 3786..4069		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o6.gp	Method	AAT/GAP
Start	1590	End	4069
GI	342_1.R1084	Score	3926
Exons	1590..1935, 2045..2142, 2225..2244, 2280..3762, 3786..4069		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o4.gp	Method	AAT/GAP
Start	1598	End	4069
GI	342_1.R1084	Score	3910
Exons	1598..1935, 2045..2142, 2225..2244, 2280..3762, 3786..4069		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o7.gp	Method	AAT/GAP
Start	1613	End	4069
GI	342_1.R1084	Score	3880
Exons	1613..1935, 2045..2142, 2225..2244, 2280..3762, 3786..4069		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o1.tw	Method	TBLASTX:Wheat
Start	2427	End	3744
GI	none	Score	131
Exons	2427..2519, 2508..2588, 2601..2741, 2602..2742, 2689..2784, 2721..2780, 2787..2831, 2787..2831, 2824..3258, 2842..2886, 2873..3301, 2889..3302, 3325..3486, 3326..3487, 3330..3488, 3481..3744, 3486..3743		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o1.np	Method	AAT/NAP
Start	2910	End	4069

GI	6742729	Score	1749
Exons	2910..4069		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o1.tc	Method	TBLASTX:Cress
Start	3008	End	3457
GI	none	Score	92
Exons	3008..3157, 3008..3301, 3012..3302, 3325..3453, 3326..3457, 3329..3457		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o1.tm	Method	TBLASTX:Maize
Start	3355	End	3770
GI	none	Score	170
Exons	3355..3486, 3486..3770		

Seq. No.	26295	Seq. ID	OJ991215_10.0125.C5
Gene No.	54503	Strand	-
Start	592	End	4069
Name	OJ991215_10.0125.C5.o2.tw	Method	TBLASTX:Wheat
Start	3761	End	4069
GI	none	Score	85
Exons	3761..3853, 3765..3854, 3765..3857, 3767..3859, 3887..4069, 3927..4067		

Seq. No.	26296	Seq. ID	OJ991215_10.0125.C6
Gene No.	54504	Strand	+
Start	1	End	1843
Name	OJ991215_10.0125.C6.o1.gp	Method	AAT/GAP
Start	1	End	1843
GI	342_1.R1084	Score	3346
Exons	1..1843		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	26296	Seq. ID	OJ991215_10.0125.C6
Gene No.	54505	Strand	-
Start	84	End	2000
Name	OJ991215_10.0125.C6.o1.tw	Method	TBLASTX:Wheat
Start	14	End	917
GI	none	Score	720
Exons	14..916, 15..917		

Seq. No.	26296	Seq. ID	OJ991215_10.0125.C6
Gene No.	54505	Strand	-
Start	84	End	2000
Name	OJ991215_10.0125.C6.o1.np	Method	AAT/NAP
Start	84	End	2000
GI	6742729	Score	2772
Exons	84..1843, 1948..2000		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	26296	Seq. ID	OJ991215_10.0125.C6
Gene No.	54505	Strand	-
Start	84	End	2000
Name	OJ991215_10.0125.C6.o1.tc	Method	TBLASTX:Cress
Start	182	End	633
GI	none	Score	175
Exons	182..619, 182..625, 186..629, 192..629, 451..633		

Seq. No.	26296	Seq. ID	OJ991215_10.0125.C6
Gene No.	54505	Strand	-
Start	84	End	2000
Name	OJ991215_10.0125.C6.o1.tm	Method	TBLASTX:Maize
Start	560	End	874
GI	none	Score	68
Exons	560..790, 560..874, 588..863		

Seq. No.	26296	Seq. ID	OJ991215_10.0125.C6
Gene No.	54505	Strand	-
Start	84	End	2000
Name	OJ991215_10.0125.C6.o3.tw	Method	TBLASTX:Wheat
Start	918	End	1328
GI	none	Score	81
Exons	918..1004, 920..1009, 920..1003, 1037..1255, 1077..1259, 1265..1327, 1278..1328		

Seq. No.	26296	Seq. ID	OJ991215_10.0125.C6
Gene No.	54505	Strand	-
Start	84	End	2000
Name	OJ991215_10.0125.C6.o1.ts	Method	TBLASTX:Soybean
Start	1361	End	1603
GI	none	Score	63
Exons	1361..1603, 1419..1517		

Seq. No.	26296	Seq. ID	OJ991215_10.0125.C6
Gene No.	54505	Strand	-
Start	84	End	2000
Name	OJ991215_10.0125.C6.o2.tm	Method	TBLASTX:Maize
Start	1433	End	1861
GI	none	Score	87
Exons	1433..1627, 1637..1861, 1638..1826		

Seq. No.	26296	Seq. ID	OJ991215_10.0125.C6
Gene No.	54505	Strand	-
Start	84	End	2000
Name	OJ991215_10.0125.C6.o2.tw	Method	TBLASTX:Wheat
Start	1467	End	1838
GI	none	Score	166
Exons	1467..1673, 1468..1674, 1472..1675, 1472..1696, 1676..1774, 1677..1769, 1778..1837, 1782..1838		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54506	Strand	+
Start	1078	End	1473
Name	OJ991215_10.0125.C7.o1.gs	Method	GENSCAN
Start	1078	End	1473
GI	none	Score	.85
Exons	1078..1473		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54507	Strand	+
Start	2882	End	4752
Name	OJ991215_10.0125.C7.o1.np	Method	AAT/NAP
Start	2882	End	4752
GI	6907087	Score	1162
Exons	2882..3262, 3471..4131, 4649..4752		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54508	Strand	+
Start	5214	End	5596
Name	OJ991215_10.0125.C7.o1.gp	Method	AAT/GAP
Start	5214	End	5596
GI	uC-osflcyp033a04b1	Score	688
Exons	5214..5596		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54509	Strand	-
Start	3457	End	7773
Name	OJ991215_10.0125.C7.o3.np	Method	AAT/NAP
Start	3457	End	7324
GI	4680203	Score	1134
Exons	3457..3492, 6305..7324		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54509	Strand	-
Start	3457	End	7773
Name	OJ991215_10.0125.C7.o2.np	Method	AAT/NAP
Start	5143	End	7091
GI	4680186	Score	234
Exons	5143..5346, 7007..7091		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54509	Strand	-
Start	3457	End	7773
Name	OJ991215_10.0125.C7.o2.gp	Method	AAT/GAP
Start	6250	End	7773
GI	2310235	Score	307
Exons	6250..6270, 7186..7324, 7736..7773		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54509	Strand	-
Start	3457	End	7773
Name	OJ991215_10.0125.C7.o1.tc	Method	TBLASTX:Cress
Start	6305	End	6539
GI	none	Score	88
Exons	6305..6532, 6387..6539		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54509	Strand	-
Start	3457	End	7773
Name	OJ991215_10.0125.C7.o2.tw	Method	TBLASTX:Wheat
Start	6305	End	6628
GI	none	Score	45
Exons	6305..6415, 6413..6532, 6474..6536, 6557..6628, 6558..6605		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54509	Strand	-
Start	3457	End	7773
Name	OJ991215_10.0125.C7.o2.ts	Method	TBLASTX:Soybean
Start	6308	End	6541
GI	none	Score	102
Exons	6308..6541, 6311..6514, 6324..6536		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54509	Strand	-
Start	3457	End	7773
Name	OJ991215_10.0125.C7.o3.gs	Method	GENSCAN
Start	6329	End	7324
GI	none	Score	.93
Exons	6329..7324		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54509	Strand	-
Start	3457	End	7773
Name	OJ991215_10.0125.C7.o1.ts	Method	TBLASTX:Soybean
Start	6560	End	6850
GI	none	Score	104
Exons	6560..6625, 6632..6850, 6636..6842		

Seq. No.	26297	Seq. ID	OJ991215_10.0125.C7
Gene No.	54509	Strand	-
Start	3457	End	7773
Name	OJ991215_10.0125.C7.o1.tw	Method	TBLASTX:Wheat
Start	6630	End	6973
GI	none	Score	183
Exons	6630..6872, 6632..6883, 6633..6875, 6866..6973		

Seq. No.	26298	Seq. ID	OJ991215_10.0125.C8
Gene No.	54510	Strand	+
Start	223	End	1514
Name	OJ991215_10.0125.C8.o1.gs	Method	GENSCAN
Start	223	End	1514
GI	none	Score	.53
Exons	223..1514		

Seq. No.	26298	Seq. ID	OJ991215_10.0125.C8
Gene No.	54510	Strand	+
Start	223	End	1514
Name	OJ991215_10.0125.C8.o1.np	Method	AAT/NAP
Start	364	End	1469
GI	4835245	Score	613
Exons	364..1469		
GI Descrip.	(AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	26298	Seq. ID	OJ991215_10.0125.C8
Gene No.	54511	Strand	-
Start	2037	End	2980
Name	OJ991215_10.0125.C8.o1.ts	Method	TBLASTX:Soybean
Start	528	End	1382
GI	none	Score	133
Exons	528..686, 563..664, 699..1025, 704..1024, 1035..1244, 1082..1378, 1089..1382		

Seq. No.	26298	Seq. ID	OJ991215_10.0125.C8
Gene No.	54511	Strand	-
Start	2037	End	2980
Name	OJ991215_10.0125.C8.o1.tm	Method	TBLASTX:Maize
Start	627	End	1208
GI	none	Score	54
Exons	627..680, 705..1025, 706..768, 725..1024, 969..1028, 1074..1205, 1080..1208, 1094..1207		

Seq. No.	26298	Seq. ID	OJ991215_10.0125.C8
Gene No.	54511	Strand	-
Start	2037	End	2980
Name	OJ991215_10.0125.C8.o1.tw	Method	TBLASTX:Wheat
Start	1082	End	1310
GI	none	Score	107
Exons	1082..1303, 1089..1310, 1094..1306		

Seq. No.	26298	Seq. ID	OJ991215_10.0125.C8
Gene No.	54511	Strand	-
Start	2037	End	2980
Name	OJ991215_10.0125.C8.o1.tc	Method	TBLASTX:Cress
Start	1086	End	1376
GI	none	Score	330
Exons	1086..1376, 1088..1363		

Seq. No.	26298	Seq. ID	OJ991215_10.0125.C8
Gene No.	54511	Strand	-
Start	2037	End	2980
Name	OJ991215_10.0125.C8.o2.tm	Method	TBLASTX:Maize
Start	1208	End	1408
GI	none	Score	241
Exons	1208..1396, 1209..1394, 1214..1408		

Seq. No.	26298	Seq. ID	OJ991215_10.0125.C8
Gene No.	54511	Strand	-
Start	2037	End	2980
Name	OJ991215_10.0125.C8.o2.gs	Method	GENSCAN
Start	2037	End	2980
GI	none	Score	.77
Exons	2037..2129, 2593..2693, 2935..2980		

Seq. No.	26299	Seq. ID	OJ991215_10.0125.C9
Gene No.	54512	Strand	+
Start	14	End	253
Name	OJ991215_10.0125.C9.o1.gs	Method	GENSCAN
Start	14	End	253
GI	none	Score	.43

Exons	14..253		
Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54513	Strand	+
Start	6740	End	6952
Name	OJ991215_10.0125.C10.o1.gp	Method	AAT/GAP
Start	6740	End	6952
GI	1631463	Score	351
Exons	6740..6952		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		
Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54514	Strand	+
Start	6884	End	7042
Name	OJ991215_10.0125.C10.o3.np	Method	AAT/NAP
Start	6884	End	7042
GI	4680183	Score	57
Exons	6884..7042		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o1.gs	Method	GENSCAN
Start	453	End	6178
GI	none	Score	.91
Exons	453..5018, 5407..5511, 5585..6178		
Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o1.np	Method	AAT/NAP
Start	456	End	5018
GI	4680179	Score	7858
Exons	456..5018		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o6.tw	Method	TBLASTX:Wheat
Start	501	End	833
GI	none	Score	90
Exons	501..833, 564..806		
Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o1.tm	Method	TBLASTX:Maize
Start	681	End	1280
GI	none	Score	264
Exons	681..1121, 694..1119, 1119..1280, 1126..1272		
Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-

Start	453	End	6178
Name	OJ991215_10.0125.C10.o1.tw	Method	TBLASTX:Wheat
Start	834	End	1460
GI	none	Score	345
Exons	834..1460, 835..1458		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o4.tm	Method	TBLASTX:Maize
Start	1329	End	1620
GI	none	Score	259
Exons	1329..1619, 1333..1620		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o2.ts	Method	TBLASTX:Soybean
Start	1419	End	1679
GI	none	Score	151
Exons	1419..1679, 1420..1674		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o1.tc	Method	TBLASTX:Cress
Start	1443	End	1760
GI	none	Score	92
Exons	1443..1586, 1444..1584, 1587..1760		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o3.tw	Method	TBLASTX:Wheat
Start	1467	End	1946
GI	none	Score	307
Exons	1467..1946, 1468..1875, 1500..1913		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o2.tw	Method	TBLASTX:Wheat
Start	1950	End	2459
GI	none	Score	51
Exons	1950..2459, 1951..2073, 2034..2381, 2116..2427		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o2.tm	Method	TBLASTX:Maize
Start	2022	End	2387
GI	none	Score	143
Exons	2022..2333, 2034..2387, 2119..2385		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178

Name	OJ991215_10.0125.C10.o3.ts	Method	TBLASTX:Soybean
Start	2208	End	2453
GI	none	Score	204
Exons	2208..2453		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o3.tm	Method	TBLASTX:Maize
Start	2424	End	2924
GI	none	Score	86
Exons	2424..2759, 2433..2672, 2539..2673, 2745..2924		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o5.tw	Method	TBLASTX:Wheat
Start	2460	End	2762
GI	none	Score	237
Exons	2460..2762, 2461..2742		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o1.ts	Method	TBLASTX:Soybean
Start	2475	End	2870
GI	none	Score	172
Exons	2475..2834, 2476..2739, 2754..2834, 2826..2870, 2838..2870		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o4.tw	Method	TBLASTX:Wheat
Start	2811	End	3293
GI	none	Score	151
Exons	2811..3293, 2820..3164, 2854..3189		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o4.ts	Method	TBLASTX:Soybean
Start	2943	End	3257
GI	none	Score	59
Exons	2943..3257, 2944..3141		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o5.tm	Method	TBLASTX:Maize
Start	2992	End	3281
GI	none	Score	165
Exons	2992..3183, 2994..3281		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o8.tw	Method	TBLASTX:Wheat

Start	3450	End	3872
GI	none	Score	109
Exons	3450..3641, 3457..3612, 3523..3663, 3663..3872, 3724..3822		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o7.tm	Method	TBLASTX:Maize
Start	3555	End	3875
GI	none	Score	68
Exons	3555..3875, 3730..3822		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o6.tm	Method	TBLASTX:Maize
Start	4215	End	4511
GI	none	Score	107
Exons	4215..4511, 4227..4511, 4324..4494		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o7.tw	Method	TBLASTX:Wheat
Start	4392	End	4751
GI	none	Score	116
Exons	4392..4721, 4392..4751		

Seq. No.	26300	Seq. ID	OJ991215_10.0125.C10
Gene No.	54515	Strand	-
Start	453	End	6178
Name	OJ991215_10.0125.C10.o2.np	Method	AAT/NAP
Start	5276	End	6112
GI	5042448	Score	1153
Exons	5276..6112		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54516	Strand	+
Start	1	End	1219
Name	OJ991215_10.0125.C11.o1.np	Method	AAT/NAP
Start	1	End	1219
GI	4680183	Score	218
Exons	1..63, 408..520, 1130..1219		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54517	Strand	+
Start	1899	End	2231
Name	OJ991215_10.0125.C11.o2.gs	Method	GENSCAN
Start	1899	End	2231
GI	none	Score	.81
Exons	1899..2231		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54518	Strand	+

Start	14483	End	15415
Name	OJ991215_10.0125.C11.o5.gs	Method	GENSCAN
Start	14483	End	15415
GI	none	Score	.82
Exons	14483..14576, 15246..15415		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54519	Strand	-
Start	306	End	515
Name	OJ991215_10.0125.C11.o1.gp	Method	AAT/GAP
Start	306	End	515
GI	1631463	Score	353
Exons	306..515		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54520	Strand	-
Start	3444	End	10268
Name	OJ991215_10.0125.C11.o3.gs	Method	GENSCAN
Start	3444	End	10163
GI	none	Score	.65
Exons	3444..6127, 6164..7943, 8167..8195, 8234..8999, 10098..10163		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54520	Strand	-
Start	3444	End	10268
Name	OJ991215_10.0125.C11.o2.np	Method	AAT/NAP
Start	3447	End	7946
GI	4680179	Score	5439
Exons	3447..6848, 6882..7946		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54520	Strand	-
Start	3444	End	10268
Name	OJ991215_10.0125.C11.o2.gp	Method	AAT/GAP
Start	8270	End	8724
GI	95437_1.R1084	Score	802
Exons	8270..8724		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54520	Strand	-
Start	3444	End	10268
Name	OJ991215_10.0125.C11.o3.gp	Method	AAT/GAP
Start	9883	End	10268
GI	uC-osflcyp033a04b1	Score	645
Exons	9883..10268		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-

Start	14022	End	14242
Name	OJ991215_10.0125.C11.o6.tw	Method	TBLASTX:Wheat
Start	3492	End	3825
GI	none	Score	98
Exons	3492..3824, 3513..3821, 3556..3825		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o1.tm	Method	TBLASTX:Maize
Start	3687	End	4271
GI	none	Score	204
Exons	3687..4112, 3688..4113, 4110..4271, 4117..4263		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o1.tw	Method	TBLASTX:Wheat
Start	3825	End	4451
GI	none	Score	57
Exons	3825..4451, 3828..3950, 3937..4395		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o4.tm	Method	TBLASTX:Maize
Start	4320	End	4612
GI	none	Score	210
Exons	4320..4610, 4324..4611, 4328..4612		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o2.ts	Method	TBLASTX:Soybean
Start	4409	End	4670
GI	none	Score	159
Exons	4409..4627, 4410..4670, 4411..4665		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o1.tc	Method	TBLASTX:Cress
Start	4434	End	4751
GI	none	Score	78
Exons	4434..4577, 4435..4575, 4578..4751		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o2.tw	Method	TBLASTX:Wheat
Start	4458	End	5025
GI	none	Score	249
Exons	4458..4922, 4458..4994, 4462..5025		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242

Name	OJ991215_10.0125.C11.o2.tm	Method	TBLASTX:Maize
Start	5025	End	5379
GI	none	Score	235
Exons	5025..5378, 5029..5379		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o3.tw	Method	TBLASTX:Wheat
Start	5028	End	5450
GI	none	Score	352
Exons	5028..5450, 5029..5418		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o3.ts	Method	TBLASTX:Soybean
Start	5199	End	5444
GI	none	Score	66
Exons	5199..5444, 5299..5427		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o3.tm	Method	TBLASTX:Maize
Start	5415	End	5915
GI	none	Score	50
Exons	5415..5729, 5458..5508, 5536..5589, 5736..5915, 5761..5907		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o5.tw	Method	TBLASTX:Wheat
Start	5451	End	5753
GI	none	Score	191
Exons	5451..5753, 5457..5750, 5467..5751, 5672..5752		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o1.ts	Method	TBLASTX:Soybean
Start	5466	End	5861
GI	none	Score	193
Exons	5466..5825, 5467..5757, 5785..5823, 5829..5861, 5830..5859		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o4.tw	Method	TBLASTX:Wheat
Start	5802	End	6288
GI	none	Score	172
Exons	5802..6179, 5805..6170, 5845..6288, 6234..6284		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o5.tm	Method	TBLASTX:Maize

Start	5983	End	6273
GI	none	Score	195
Exons	5983..6273, 5985..6272		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o8.tw	Method	TBLASTX:Wheat
Start	6399	End	6821
GI	none	Score	73
Exons	6399..6566, 6454..6567, 6612..6821, 6613..6765		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o7.tm	Method	TBLASTX:Maize
Start	6502	End	6857
GI	none	Score	49
Exons	6502..6594, 6504..6857, 6688..6765		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o6.tm	Method	TBLASTX:Maize
Start	7182	End	7487
GI	none	Score	90
Exons	7182..7487, 7357..7473		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o7.tw	Method	TBLASTX:Wheat
Start	7368	End	7730
GI	none	Score	151
Exons	7368..7730, 7369..7728		

Seq. No.	26301	Seq. ID	OJ991215_10.0125.C11
Gene No.	54521	Strand	-
Start	14022	End	14242
Name	OJ991215_10.0125.C11.o3.np	Method	AAT/NAP
Start	14022	End	14242
GI	5257279	Score	95
Exons	14022..14242		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54522	Strand	+
Start	372	End	6360
Name	OJ991215_10.0125.C12.o1.gs	Method	GENSCAN
Start	372	End	4665
GI	none	Score	.83
Exons	372..404, 2766..2882, 3115..3285, 3808..4025, 4539..4665		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54522	Strand	+
Start	372	End	6360

Name	OJ991215_10.0125.C12.o1.np	Method	AAT/NAP
Start	1196	End	6360
GI	4680203	Score	1785
Exons	1196..1230, 2475..4143, 6317..6360		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54523	Strand	+
Start	8647	End	9334
Name	OJ991215_10.0125.C12.o3.np	Method	AAT/NAP
Start	8647	End	9334
GI	6498430	Score	137
Exons	8647..8728, 9196..9334		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54524	Strand	-
Start	5068	End	7134
Name	OJ991215_10.0125.C12.o3.tw	Method	TBLASTX:Wheat
Start	2832	End	3165
GI	none	Score	55
Exons	2832..2933, 2863..2919, 2916..3137, 2917..3135, 2924..3136, 2925..3137, 3133..3165, 3133..3165		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54524	Strand	-
Start	5068	End	7134
Name	OJ991215_10.0125.C12.o1.ts	Method	TBLASTX:Soybean
Start	3102	End	3525
GI	none	Score	42
Exons	3102..3134, 3139..3180, 3229..3525, 3232..3507, 3267..3512		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54524	Strand	-
Start	5068	End	7134
Name	OJ991215_10.0125.C12.o1.tc	Method	TBLASTX:Cress
Start	3265	End	3606
GI	none	Score	257
Exons	3265..3606, 3265..3366, 3357..3410, 3468..3602		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54524	Strand	-
Start	5068	End	7134
Name	OJ991215_10.0125.C12.o1.tw	Method	TBLASTX:Wheat
Start	3393	End	3720
GI	none	Score	352
Exons	3393..3707, 3394..3720		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54524	Strand	-
Start	5068	End	7134
Name	OJ991215_10.0125.C12.o1.tm	Method	TBLASTX:Maize
Start	3435	End	3897
GI	none	Score	219
Exons	3435..3692, 3451..3684, 3703..3897		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12

Gene No.	54524	Strand	-
Start	5068	End	7134
Name	OJ991215_10.0125.C12.o3.ts	Method	TBLASTX:Soybean
Start	3733	End	3969
GI	none	Score	187
Exons	3733..3969		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54524	Strand	-
Start	5068	End	7134
Name	OJ991215_10.0125.C12.o2.tw	Method	TBLASTX:Wheat
Start	3999	End	4293
GI	none	Score	73
Exons	3999..4049, 4003..4065, 4066..4131, 4071..4253, 4075..4293, 4177..4293		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54524	Strand	-
Start	5068	End	7134
Name	OJ991215_10.0125.C12.o2.np	Method	AAT/NAP
Start	5068	End	7134
GI	100920	Score	247
Exons	5068..5087, 6546..6849, 7076..7134		
GI Descrip.	rab28 protein - maize gi|22460|emb|CAA41854| (X59138) abscisic acid-inducible [Zea mays]		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54524	Strand	-
Start	5068	End	7134
Name	OJ991215_10.0125.C12.o2.gs	Method	GENSCAN
Start	6044	End	6854
GI	none	Score	.9
Exons	6044..6146, 6235..6455, 6555..6854		

Seq. No.	26302	Seq. ID	OJ991215_10.0125.C12
Gene No.	54524	Strand	-
Start	5068	End	7134
Name	OJ991215_10.0125.C12.o2.ts	Method	TBLASTX:Soybean
Start	6549	End	6849
GI	none	Score	53
Exons	6549..6590, 6553..6591, 6591..6770, 6592..6777, 6766..6849, 6768..6848		

Seq. No.	26303	Seq. ID	OJ991215_10.0125.C13
Gene No.	54525	Strand	+
Start	93	End	973
Name	OJ991215_10.0125.C13.o1.gs	Method	GENSCAN
Start	93	End	973
GI	none	Score	.52
Exons	93..235, 872..973		

Seq. No.	26303	Seq. ID	OJ991215_10.0125.C13
Gene No.	54526	Strand	-
Start	3001	End	3691
Name	OJ991215_10.0125.C13.o1.np	Method	AAT/NAP
Start	3001	End	3691
GI	2130056	Score	153

Exons	3001..3125, 3525..3691		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - barley chloroplast		
Seq. No.	26304	Seq. ID	OJ991215_10.0125.C14
Gene No.	54527	Strand	-
Start	1	End	158
Name	OJ991215_10.0125.C14.o1.gp	Method	AAT/GAP
Start	1	End	158
GI	8022_1.R1084	Score	260
Exons	1..158		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	26305	Seq. ID	OJ991215_10.0125.C15
Gene No.	54528	Strand	-
Start	1598	End	1680
Name	OJ991215_10.0125.C15.o1.gp	Method	AAT/GAP
Start	1598	End	1680
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	1598..1680		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54529	Strand	-
Start	95	End	4779
Name	OJ991215_10.0125.C16.o1.np	Method	AAT/NAP
Start	95	End	4779
GI	2961349	Score	1412
Exons	95..1630, 1886..2862, 2893..3214, 4745..4779		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		
Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54529	Strand	-
Start	95	End	4779
Name	OJ991215_10.0125.C16.o1.gs	Method	GENSCAN
Start	233	End	3545
GI	none	Score	.53
Exons	233..321, 784..882, 1211..1295, 1464..1846, 2413..2577, 2653..2814, 2923..3138, 3512..3545		
Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o2.tm	Method	TBLASTX:Maize
Start	107	End	778
GI	none	Score	233
Exons	107..310, 401..778		
Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o2.ts	Method	TBLASTX:Soybean
Start	390	End	745

GI	none	Score	117
Exons	390..569, 404..745, 668..736		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o4.tw	Method	TBLASTX:Wheat
Start	512	End	943
GI	none	Score	103
Exons	512..772, 770..943		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o4.tm	Method	TBLASTX:Maize
Start	890	End	1319
GI	none	Score	70
Exons	890..967, 963..1208, 1114..1206, 1224..1319		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o6.tw	Method	TBLASTX:Wheat
Start	963	End	1445
GI	none	Score	51
Exons	963..1097, 1140..1205, 1209..1385, 1386..1445		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o3.ts	Method	TBLASTX:Soybean
Start	1143	End	1619
GI	5509260	Score	135
Exons	1143..1205, 1215..1385, 1386..1619		
GI Descrip.	-		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o2.tc	Method	TBLASTX:Cress
Start	1233	End	1487
GI	none	Score	45
Exons	1233..1379, 1239..1364, 1386..1487, 1387..1482		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o2.tw	Method	TBLASTX:Wheat
Start	1923	End	2173
GI	none	Score	177
Exons	1923..2165, 1948..2166, 1953..2168, 2087..2173		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o3.tc	Method	TBLASTX:Cress
Start	1953	End	2374

GI	none	Score	127
Exons	1953..2198, 2219..2374		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o3.tm	Method	TBLASTX:Maize
Start	2213	End	2641
GI	none	Score	262
Exons	2213..2641		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o5.tw	Method	TBLASTX:Wheat
Start	2213	End	2626
GI	none	Score	58
Exons	2213..2626, 2220..2501		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o4.ts	Method	TBLASTX:Soybean
Start	2231	End	2633
GI	none	Score	58
Exons	2231..2527, 2538..2633, 2540..2632		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o5.tm	Method	TBLASTX:Maize
Start	2642	End	2952
GI	none	Score	106
Exons	2642..2713, 2643..2804, 2647..2835, 2647..2802, 2824..2952, 2861..2947, 2872..2949		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o1.tw	Method	TBLASTX:Wheat
Start	2854	End	3292
GI	none	Score	95
Exons	2854..2964, 2861..3043, 2873..3043, 2916..3050, 3077..3292, 3078..3239		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o2.np	Method	AAT/NAP
Start	5568	End	6550
GI	4539301	Score	598
Exons	5568..6550		
GI Descrip.	(AL049480) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550

Name	OJ991215_10.0125.C16.o2.gs	Method	GENSCAN
Start	5577	End	6512
GI	none	Score	.9
Exons	5577..6512		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o6.tm	Method	TBLASTX:Maize
Start	5747	End	5955
GI	none	Score	50
Exons	5747..5953, 5793..5843, 5793..5954, 5884..5955		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o1.ts	Method	TBLASTX:Soybean
Start	5784	End	6524
GI	none	Score	180
Exons	5784..6101, 5884..6087, 5925..6125, 6210..6524, 6211..6486		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o1.tc	Method	TBLASTX:Cress
Start	5793	End	6132
GI	none	Score	124
Exons	5793..6101, 5812..6132, 5884..6084		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o3.tw	Method	TBLASTX:Wheat
Start	5859	End	6081
GI	none	Score	136
Exons	5859..6080, 5896..6081		

Seq. No.	26306	Seq. ID	OJ991215_10.0125.C16
Gene No.	54530	Strand	-
Start	5577	End	6550
Name	OJ991215_10.0125.C16.o1.tm	Method	TBLASTX:Maize
Start	5955	End	6533
GI	none	Score	66
Exons	5955..6044, 5956..6066, 6042..6083, 6043..6090, 6182..6265, 6210..6521, 6211..6387, 6309..6533, 6464..6520		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54531	Strand	+
Start	2118	End	13129
Name	OJ991215_12.0128.C1.o1.gs	Method	GENSCAN
Start	2118	End	6298
GI	none	Score	.66
Exons	2118..3022, 3028..3377, 5092..5138, 5489..6298		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54531	Strand	+
Start	2118	End	13129

Name	OJ991215_12.0128.C1.o1.gp	Method	AAT/GAP
Start	5757	End	13129
GI	705_7.R1084	Score	1457
Exons	5757..6132, 12745..13129		
GI Descrip.	'1362183/pir||S56684 1.0e-39 histone H2B-6 - wheat >gi_531056_dbj_BAA07156_ (D37942) protein H2B-6 [Triticum aestivum]'		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54531	Strand	+
Start	2118	End	13129
Name	OJ991215_12.0128.C1.o1.np	Method	AAT/NAP
Start	5837	End	6295
GI	3913804	Score	679
Exons	5837..6295		
GI Descrip.	HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54531	Strand	+
Start	2118	End	13129
Name	OJ991215_12.0128.C1.o3.gs	Method	GENSCAN
Start	12450	End	12911
GI	none	Score	.98
Exons	12450..12911		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-
Start	7681	End	20646
Name	OJ991215_12.0128.C1.o2.tw	Method	TBLASTX:Wheat
Start	5724	End	13060
GI	none	Score	58
Exons	5724..5789, 6019..6291, 6023..6127, 6023..6292, 6038..6127, 12635..12904, 12635..12775, 12636..12740, 12636..12905, 13004..13060		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-
Start	7681	End	20646
Name	OJ991215_12.0128.C1.o1.tc	Method	TBLASTX:Cress
Start	6019	End	12911
GI	none	Score	432
Exons	6019..6288, 6023..6319, 12635..12907, 12636..12911		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-
Start	7681	End	20646
Name	OJ991215_12.0128.C1.o1.ts	Method	TBLASTX:Soybean
Start	6019	End	12917
GI	none	Score	424
Exons	6019..6288, 6023..6298, 12635..12907, 12636..12917		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-
Start	7681	End	20646
Name	OJ991215_12.0128.C1.o2.tm	Method	TBLASTX:Maize
Start	6019	End	12914

GI	none	Score	456
Exons	6019..6288, 6023..6307, 12635..12901, 12636..12914		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-
Start	7681	End	20646
Name	OJ991215_12.0128.C1.o2.np	Method	AAT/NAP
Start	7681	End	20646
GI	2586083	Score	1862
Exons	7681..8060, 8212..9168, 9241..10283, 20027..20646		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-
Start	7681	End	20646
Name	OJ991215_12.0128.C1.o4.tm	Method	TBLASTX:Maize
Start	7696	End	17736
GI	none	Score	119
Exons	7696..8061, 7865..8062, 14571..14693, 14842..14934, 14844..14933, 17376..17495, 17553..17735, 17563..17736		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-
Start	7681	End	20646
Name	OJ991215_12.0128.C1.o2.ts	Method	TBLASTX:Soybean
Start	7939	End	20424
GI	none	Score	66
Exons	7939..8061, 8282..8461, 8283..8459, 8483..8554, 8573..8665, 8657..8767, 9015..9314, 9023..9856, 9024..9122, 9071..9484, 9080..9325, 9086..9484, 9086..9487, 9086..9598, 9228..9611, 9491..9934, 9491..9763, 9494..9934, 9494..9832, 9512..9862, 9512..9856, 9519..9614, 9522..9611, 9611..9742, 9639..9743, 9854..9985, 9989..10177, 9989..10174, 9992..10099, 9995..10423, 10004..10123, 10011..10142, 10047..10133, 10120..10176, 10179..10436, 10184..10645, 10184..10426, 10193..10561, 10193..10429, 10410..10451, 10472..10639, 10473..10523, 10475..10759, 10475..10738, 10475..10648, 14832..14933, 15073..15096, 15144..15308, 15348..15416, 15432..15524, 15950..16027, 15956..16156, 15956..16150, 15959..16150, 15962..16141, 16016..16156, 16044..16154, 16248..16460, 16248..16430, 16254..16532, 16263..16538, 16263..16517, 17613..17735, 17880..17897, 17882..17929, 17960..18130, 17976..18116, 18158..18226, 18242..18310, 18335..18436, 18695..19288, 18758..19156, 18758..19156, 18758..19270, 18759..19157, 18875..19156, 19166..19282, 19166..19288, 19194..19283, 19252..19527, 19252..19434, 19300..19605, 19300..19413, 19300..19527, 19300..19587, 19300..19527, 19313..19414, 19378..19530, 19390..19518, 19660..19836, 19660..19845, 19666..20097, 19672..19794, 19735..19836, 19849..20097, 19849..20061, 19849..20034, 19850..20095, 19852..20091, 19852..20091, 19855..20091, 19864..20091, 19925..20107, 19936..20091, 20149..20418, 20149..20253, 20155..20424, 20155..20418, 20155..20424, 20155..20421, 20350..20409		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-

Start	7681	End	20646
Name	OJ991215_12.0128.C1.o2.tc	Method	TBLASTX:Cress
Start	7951	End	20430
GI	none	Score	54

Exons 7951..8061, 8228..8485, 8298..8393, 8495..8548, 8508..8555, 8573..8647, 9062..9382, 9080..9484, 9080..9487, 9080..9484, 9083..9487, 9086..9289, 9089..9349, 9134..9484, 9170..9361, 9221..9466, 9225..9464, 9242..9430, 9284..9484, 9303..9500, 9317..9487, 9377..9484, 9428..9487, 9446..9484, 9454..9480, 9491..9856, 9491..9796, 9494..9694, 9503..9856, 9504..9656, 9512..9859, 9512..9568, 9512..9880, 9513..9776, 9516..9824, 9524..9610, 9527..9721, 9572..9832, 9575..9952, 9617..9796, 9695..10006, 9716..9859, 9803..9859, 9845..9985, 9863..9952, 9872..9985, 9875..9979, 9965..10165, 9989..10150, 9989..10123, 9989..10150, 9995..10240, 9995..10150, 9995..10165, 10019..10171, 10178..10312, 10184..10426, 10199..10396, 10331..10420, 10472..10741, 10472..10738, 10472..10738, 10475..10738, 10475..10648, 10484..10747, 10505..10633, 10541..10645, 14802..14822, 14844..14933, 15073..15105, 15132..15314, 15166..15255, 15367..15414, 15369..15407, 15426..15506, 15956..16162, 15956..16144, 15956..16105, 15962..16162, 15965..16141, 15968..16078, 15986..16156, 16115..16141, 16126..16227, 16248..16526, 16248..16517, 16251..16520, 16251..16517, 16254..16532, 16254..16517, 16326..16574, 16428..16520, 17594..17626, 17625..17735, 17880..17912, 17963..18130, 18164..18217, 18236..18316, 18752..19159, 18758..19141, 18758..19156, 18758..18961, 18758..19102, 18758..19156, 18758..19054, 18759..19070, 18806..19156, 18807..19070, 18842..19033, 18887..18949, 18890..19159, 18903..19136, 18956..19156, 18975..19154, 18989..19156, 19109..19282, 19118..19159, 19154..19288, 19157..19285, 19157..19288, 19175..19288, 19176..19277, 19184..19282, 19184..19276, 19184..19276, 19185..19283, 19243..19527, 19250..19447, 19252..19527, 19300..19365, 19300..19467, 19300..19503, 19303..19656, 19324..19476, 19366..19641, 19390..19530, 19462..19545, 19651..19821, 19651..19821, 19660..19836, 19660..19794, 19660..19812, 19663..19821, 19666..19887, 19688..19891, 19828..20085, 19853..20086, 19855..20100, 19855..20091, 19855..20079, 19918..20091, 19919..20137, 19975..20055, 20149..20421, 20149..20418, 20149..20409, 20155..20430, 20155..20307, 20158..20412, 20218..20421, 20227..20277, 20239..20409, 20278..20409, 20320..20421

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-
Start	7681	End	20646
Name	OJ991215_12.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	8219	End	18337
GI	none	Score	263

Exons 8219..8659, 8219..8668, 8223..8666, 15085..15300, 15120..15311, 15233..15331, 15351..15524, 15354..15509, 15361..15525, 17879..18307, 17907..18221, 17911..18279, 17927..18337, 17961..18335

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-

Start	7681	End	20646
Name	OJ991215_12.0128.C1.o3.tm	Method	TBLASTX:Maize
Start	9080	End	20424
GI	none	Score	79
Exons	9080..9487, 9080..9484, 9080..9268, 9081..9254, 9086..9484, 9104..9484, 9251..9487, 9488..9880, 9488..9703, 9491..9847, 9494..9880, 9494..9862, 9494..9778, 9503..9862, 9516..9749, 9542..9832, 9611..9847, 9986..10141, 9989..10150, 9989..10150, 10035..10142, 10047..10178, 10178..10375, 10181..10426, 10182..10286, 10184..10423, 10184..10423, 10236..10424, 10385..10426, 10410..10439, 10461..10574, 10472..10750, 10475..10738, 15950..16141, 15956..16156, 16239..16445, 16248..16529, 16251..16526, 16257..16496, 16356..16514, 18752..19156, 18752..19159, 18758..18835, 18758..19156, 18776..19156, 18810..18941, 19157..19288, 19157..19288, 19175..19288, 19176..19286, 19184..19228, 19193..19276, 19214..19282, 19300..19533, 19300..19518, 19316..19420, 19355..19369, 19403..19492, 19660..19839, 19660..19821, 19660..19767, 19852..20091, 19853..20050, 19855..20091, 19855..20097, 19855..20097, 19861..20091, 19922..20095, 20144..20203, 20149..20412, 20155..20424, 20155..20265, 20218..20262, 20248..20388		

Seq. No.	26307	Seq. ID	OJ991215_12.0128.C1
Gene No.	54532	Strand	-
Start	7681	End	20646
Name	OJ991215_12.0128.C1.o1.tw	Method	TBLASTX:Wheat
Start	9083	End	20424
GI	none	Score	69
Exons	9083..9205, 9104..9349, 9123..9314, 9272..9589, 9512..9718, 9566..9784, 9611..10036, 9612..10010, 9787..10038, 9995..10168, 10067..10177, 10181..10384, 10212..10541, 10214..10564, 10283..10429, 10547..10636, 15960..16130, 18848..19117, 18944..19261, 18992..19150, 19031..19117, 19287..19427, 19287..19430, 19288..19428, 19288..19707, 19301..19693, 19453..19707, 19735..19824, 19810..20055, 20218..20424		

Seq. No.	26308	Seq. ID	OJ991215_12.0128.C2
Gene No.	54533	Strand	+
Start	1	End	90
Name	OJ991215_12.0128.C2.o1.gp	Method	AAT/GAP
Start	1	End	90
GI	LIB3477-003-P1-K1-E9	Score	142
Exons	1..90		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	26308	Seq. ID	OJ991215_12.0128.C2
Gene No.	54534	Strand	+
Start	511	End	1372
Name	OJ991215_12.0128.C2.o2.gp	Method	AAT/GAP
Start	511	End	1372
GI	17718_1.R1084	Score	805
Exons	511..787, 1166..1372		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 8.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	26309	Seq. ID	OJ991215_12.0128.C3
Gene No.	54535	Strand	+
Start	53	End	1683
Name	OJ991215_12.0128.C3.o1.gs	Method	GENSCAN
Start	53	End	1671
GI	none	Score	.78
Exons	53..214, 298..393, 480..1127, 1388..1671		

Seq. No.	26309	Seq. ID	OJ991215_12.0128.C3
Gene No.	54535	Strand	+
Start	53	End	1683
Name	OJ991215_12.0128.C3.o1.np	Method	AAT/NAP
Start	1057	End	1683
GI	3885341	Score	68
Exons	1057..1127, 1388..1683		
GI Descrip.	(AC005623) Mutator-like transposase [Arabidopsis thaliana]		

Seq. No.	26310	Seq. ID	OJ991215_12.0128.C4
Gene No.	54536	Strand	+
Start	46	End	483
Name	OJ991215_12.0128.C4.o1.gs	Method	GENSCAN
Start	46	End	483
GI	none	Score	.77
Exons	46..294, 391..483		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54537	Strand	+
Start	2193	End	2756
Name	OJ991215_12.0128.C5.o1.gp	Method	AAT/GAP
Start	2193	End	2756
GI	705_1.R1084	Score	894
Exons	2193..2756		
GI Descrip.	'1362184/pir||S56685 2.0e-37 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54537	Strand	+
Start	2193	End	2756
Name	OJ991215_12.0128.C5.o1.np	Method	AAT/NAP
Start	2226	End	2684
GI	3913804	Score	676
Exons	2226..2684		
GI Descrip.	HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54538	Strand	+
Start	6368	End	7747
Name	OJ991215_12.0128.C5.o2.gs	Method	GENSCAN
Start	6368	End	7747
GI	none	Score	.82
Exons	6368..7747		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-

Start	7563	End	11296
Name	OJ991215_12.0128.C5.o4.tm	Method	TBLASTX:Maize
Start	682	End	8711
GI	none	Score	79
Exons	682..819, 1250..1327, 3455..3577, 3594..3758, 3620..3760, 8372..8503, 8373..8468, 8502..8711, 8528..8710		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o2.tc	Method	TBLASTX:Cress
Start	1247	End	11291
GI	none	Score	75
Exons	1247..1327, 8612..8710, 8841..9107, 9312..9401, 9627..9755, 9639..10034, 9642..10043, 9684..10043, 9684..9872, 9687..10046, 9687..10043, 9687..10016, 9690..10016, 9690..9953, 9690..10046, 9690..10046, 9691..9846, 9693..10043, 9741..10046, 9906..9974, 9979..10110, 10092..10451, 10092..10280, 10095..10484, 10098..10460, 10098..10457, 10098..10382, 10107..10460, 10116..10487, 10116..10463, 10116..10451, 10117..10290, 10117..10404, 10125..10271, 10126..10440, 10126..10440, 10126..10227, 10128..10466, 10195..10437, 10207..10437, 10231..10353, 10243..10440, 10266..10460, 10273..10431, 10470..10559, 10488..10562, 10651..10746, 10782..10943, 10782..10928, 10782..10907, 10788..10925, 10788..10916, 10800..10907, 10800..10931, 10929..11063, 10929..11063, 10929..11072, 10945..11064, 11055..11291, 11074..11175, 11076..11285, 11076..11273, 11076..11201, 11079..11291, 11082..11291, 11082..11291, 11082..11285, 11091..11285, 11154..11291, 11216..11284		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	1250	End	9401
GI	none	Score	83
Exons	1250..1327, 3443..3547, 3629..3760, 8327..8473, 8528..8710, 8613..8711, 8811..8876, 8844..9065, 8905..9054, 9096..9293, 9100..9294, 9321..9401		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	2411	End	2708
GI	none	Score	441
Exons	2411..2677, 2412..2708		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	2411	End	2696
GI	none	Score	428
Exons	2411..2677, 2412..2696		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	2411	End	2693
GI	none	Score	448
Exons	2411..2692, 2412..2693		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	2411	End	2681
GI	none	Score	159
Exons	2411..2680, 2411..2551, 2412..2516, 2412..2681, 2637..2681		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o2.np	Method	AAT/NAP
Start	7563	End	11296
GI	6522590	Score	1679
Exons	7563..7585, 8362..8709, 8810..9819, 9895..11296		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	8817	End	9266
GI	none	Score	448
Exons	8817..9266, 8818..9264, 8891..9265		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o3.tc	Method	TBLASTX:Cress
Start	9108	End	9305
GI	none	Score	103
Exons	9108..9305, 9112..9300		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o3.ts	Method	TBLASTX:Soybean
Start	9642	End	11291
GI	none	Score	72
Exons	9642..10037, 9642..9761, 9679..9918, 9684..10046, 9684..10043, 9684..9809, 9690..10034, 9748..9891, 10092..10451, 10095..10472, 10098..10466, 10098..10457, 10107..10460, 10120..10440, 10120..10353, 10126..10446, 10200..10460, 10261..10437, 10266..10460, 10782..10907, 10782..10943, 10788..10925, 10791..10931, 10794..10949, 10800..10916, 10929..11063, 10929..11072, 10929..11063, 10933..11040, 11037..11291, 11055..11291, 11082..11291, 11088..11291		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5

Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o3.tm	Method	TBLASTX:Maize
Start	9684	End	11291
GI	none	Score	76
Exons	9684..10046, 9684..10043, 9684..9872, 9685..9858, 9687..10043, 9690..10016, 9711..10043, 9780..10034, 9979..10074, 10092..10451, 10095..10484, 10098..10382, 10116..10463, 10116..10457, 10116..10451, 10120..10353, 10120..10353, 10143..10439, 10156..10236, 10215..10466, 10788..10925, 10929..11063, 11055..11291, 11067..11273, 11079..11291, 11082..11291, 11154..11198, 11184..11291		

Seq. No.	26311	Seq. ID	OJ991215_12.0128.C5
Gene No.	54539	Strand	-
Start	7563	End	11296
Name	OJ991215_12.0128.C5.o2.tw	Method	TBLASTX:Wheat
Start	9690	End	11285
GI	none	Score	73
Exons	9690..9809, 9732..9953, 9763..9918, 9906..9977, 9963..10043, 9969..10043, 10098..10268, 10116..10280, 10167..10388, 10215..10640, 10255..10629, 10288..10431, 10389..10640, 10818..10943, 10992..11069, 11037..11285, 11106..11141		

Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54540	Strand	+
Start	81	End	1368
Name	OJ991215_12.0128.C6.o1.gs	Method	GENSCAN
Start	81	End	1368
GI	none	Score	.63
Exons	81..171, 243..328, 431..680, 739..929, 1015..1130, 1206..1368		

Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54541	Strand	+
Start	7234	End	8585
Name	OJ991215_12.0128.C6.o3.np	Method	AAT/NAP
Start	7234	End	8585
GI	3025870	Score	343
Exons	7234..7526, 8545..8585		
GI Descrip.	(AF055706) ribosomal protein S4 [Oryza sativa]		

Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54542	Strand	-
Start	1618	End	1678
Name	OJ991215_12.0128.C6.o1.gp	Method	AAT/GAP
Start	1618	End	1678
GI	2312838	Score	67
Exons	1618..1678		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54543	Strand	-
Start	3483	End	7108
Name	OJ991215_12.0128.C6.o1.np	Method	AAT/NAP
Start	3483	End	7108
GI	6522540	Score	174

Exons	3483..3938, 7012..7108		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54543	Strand	-
Start	3483	End	7108
Name	OJ991215_12.0128.C6.o2.np	Method	AAT/NAP
Start	4106	End	5454
GI	6730729	Score	534
Exons	4106..5454		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		
Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o3.tm	Method	TBLASTX:Maize
Start	3531	End	3926
GI	none	Score	42
Exons	3531..3575, 3532..3567, 3604..3726, 3611..3730, 3806..3925, 3810..3926		
Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o4.tm	Method	TBLASTX:Maize
Start	4252	End	4896
GI	none	Score	148
Exons	4252..4413, 4444..4749, 4447..4647, 4456..4857, 4495..4566, 4561..4896		
Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	4258	End	4884
GI	none	Score	161
Exons	4258..4830, 4444..4749, 4537..4884		
Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	4447	End	5088
GI	none	Score	72
Exons	4447..4857, 4447..4764, 4480..4941, 4903..5088		
Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	5080	End	5493
GI	none	Score	255
Exons	5080..5358, 5081..5287, 5199..5357, 5422..5493		
Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818

Name	OJ991215_12.0128.C6.o3.gs	Method	GENSCAN
Start	8019	End	10742
GI	none	Score	.68
Exons	8019..8164, 8323..8369, 8920..9073, 9169..9248, 9369..9600, 10625..10742		

Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o4.np	Method	AAT/NAP
Start	8022	End	10742
GI	3236237	Score	893
Exons	8022..8189, 8323..8369, 8506..8590, 8757..8835, 8920..9073, 9169..9248, 9369..9600, 10625..10742		
GI Descrip.	(AC004684) putative oxidoreductase [Arabidopsis thaliana]		

Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	8032	End	10818
GI	none	Score	208
Exons	8032..8190, 8032..8190, 8058..8192, 8321..8368, 8322..8369, 8323..8382, 8505..8591, 8507..8593, 8507..8623, 8752..8838, 8756..8833, 8757..8834, 8908..9075, 8916..9080, 8916..9074, 8917..9081, 9167..9247, 9168..9251, 9365..9604, 9366..9605, 9369..9605, 9401..9607, 10551..10742, 10584..10778, 10624..10818		

Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	8082	End	9021
GI	none	Score	73
Exons	8082..8192, 8084..8176, 8089..8190, 8323..8382, 8489..8623, 8507..8593, 8740..8838, 8757..8834, 8908..9021, 8916..9020		

Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o2.gp	Method	AAT/GAP
Start	8506	End	9193
GI	4879983	Score	576
Exons	8506..8590, 8757..8835, 8920..9073, 9169..9193		
GI Descrip.	629592/pir||S42651 5.0e-25 hypothetical protein - rape >gi_6065752_emb_CAB58175.1_ (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]		

Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	8507	End	10742
GI	none	Score	87
Exons	8507..8593, 8508..8594, 8757..8834, 8770..8826, 8916..9074, 8923..9075, 9167..9247, 9168..9251, 9366..9605, 9401..9607, 10512..10742, 10624..10740		

Seq. No.	26312	Seq. ID	OJ991215_12.0128.C6
Gene No.	54544	Strand	-
Start	8019	End	10818
Name	OJ991215_12.0128.C6.o2.tc	Method	TBLASTX:Cress
Start	8757	End	9645
GI	none	Score	62
Exons	8757..8834, 8770..8835, 8908..9075, 8916..9074, 9167..9247, 9168..9251, 9365..9604, 9366..9605, 9401..9607, 9511..9645		

Seq. No.	26313	Seq. ID	OJ991215_12.0128.C7
Gene No.	54545	Strand	+
Start	89	End	272
Name	OJ991215_12.0128.C7.o1.gs	Method	GENSCAN
Start	89	End	272
GI	none	Score	.59
Exons	89..272		

Seq. No.	26314	Seq. ID	OJ991215_12.0128.C12
Gene No.	54546	Strand	-
Start	1	End	138
Name	OJ991215_12.0128.C12.o1.gp	Method	AAT/GAP
Start	1	End	138
GI	3767777	Score	223
Exons	1..138		

Seq. No.	26314	Seq. ID	OJ991215_12.0128.C12
Gene No.	54547	Strand	-
Start	109	End	2214
Name	OJ991215_12.0128.C12.o1.gs	Method	GENSCAN
Start	109	End	2214
GI	none	Score	.7
Exons	109..593, 894..2214		

Seq. No.	26314	Seq. ID	OJ991215_12.0128.C12
Gene No.	54547	Strand	-
Start	109	End	2214
Name	OJ991215_12.0128.C12.o2.gp	Method	AAT/GAP
Start	913	End	1237
GI	428253	Score	635
Exons	913..1237		

Seq. No.	26314	Seq. ID	OJ991215_12.0128.C12
Gene No.	54547	Strand	-
Start	109	End	2214
Name	OJ991215_12.0128.C12.o1.tm	Method	TBLASTX:Maize
Start	1990	End	2192
GI	none	Score	220
Exons	1990..2130, 1991..2155, 1996..2169, 1997..2191, 2049..2192		

Seq. No.	26315	Seq. ID	OJ991215_12.0128.C13
Gene No.	54548	Strand	+
Start	71	End	1543
Name	OJ991215_12.0128.C13.o1.tm	Method	TBLASTX:Maize
Start	8	End	177
GI	none	Score	146
Exons	8..148, 8..142, 10..174, 157..177		

Seq. No.	26315	Seq. ID	OJ991215_12.0128.C13
Gene No.	54548	Strand	+
Start	71	End	1543
Name	OJ991215_12.0128.C13.o1.gs	Method	GENSCAN
Start	71	End	1543
GI	none	Score	.56
Exons	71..147, 1360..1543		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54549	Strand	+
Start	5909	End	15438
Name	OJ991215_12.0128.C14.o2.gs	Method	GENSCAN
Start	5909	End	15438
GI	none	Score	.71
Exons	5909..5974, 6726..7025, 7132..7263, 8112..8187, 8289..8347, 8458..8597, 9139..9194, 9281..9357, 9456..9501, 9697..9784, 10314..10492, 11064..11312, 11497..11623, 11715..11826, 13445..13498, 13649..13719, 13823..13904, 14009..14105, 14996..15140, 15411..15438		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54549	Strand	+
Start	5909	End	15438
Name	OJ991215_12.0128.C14.o2.np	Method	AAT/NAP
Start	6783	End	10644
GI	3355484	Score	846
Exons	6783..7025, 8112..8187, 8289..8347, 8458..8597, 9139..9194, 9281..9357, 9456..9501, 9670..9794, 10152..10219, 10314..10401, 10494..10644		
GI Descrip.	(AC004218) putative geranylgeranyl transferase type I beta subunit [Arabidopsis thaliana]		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54549	Strand	+
Start	5909	End	15438
Name	OJ991215_12.0128.C14.o2.gp	Method	AAT/GAP
Start	9446	End	10876
GI	16788_1.R1084	Score	1339
Exons	9446..9501, 9662..9794, 10152..10219, 10314..10401, 10494..10876		
GI Descrip.	'3355484 2.0e-40 (AC004218) putative geranylgeranyl transferase type I beta subunit [Arabidopsis thaliana]'		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54549	Strand	+
Start	5909	End	15438
Name	OJ991215_12.0128.C14.o3.np	Method	AAT/NAP
Start	11650	End	14312
GI	6322364	Score	100
Exons	11650..11831, 12953..13067, 13451..13504, 13762..13979, 14218..14312		
GI Descrip.	Yjl097wp gi|731974|sp|P40857|YJJ7_YEAST HYPOTHETICAL 24.5 KD PROTEIN IN SAP185-BCK1 INTERGENIC REGION gi|1078243|pir||S50296 probable membrane protein YJL097w - yeast (Saccharomyces cerevisiae) gi|640006|emb|CAA54893| (X77923) J0902 [Saccharomyces cerevisiae] gi|1008274|emb|CAA89391| (Z49372) ORF YJL097w [Saccharomyces cerevisiae]		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54549	Strand	+
Start	5909	End	15438
Name	OJ991215_12.0128.C14.o3.gp	Method	AAT/GAP
Start	11795	End	14527
GI	4151_1.R1084	Score	1249
Exons	11795..11826, 12967..13055, 13445..13498, 13649..13719, 13823..13904, 14009..14105, 14226..14527		
GI Descrip.	'2384956 2.0e-30 (AF022985) No definition line found [Caenorhabditis elegans]'		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54550	Strand	-
Start	735	End	4906
Name	OJ991215_12.0128.C14.o1.gs	Method	GENSCAN
Start	735	End	4785
GI	none	Score	.7
Exons	735..824, 869..1057, 1371..1435, 1596..2276, 4463..4502, 4717..4785		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54550	Strand	-
Start	735	End	4906
Name	OJ991215_12.0128.C14.o1.gp	Method	AAT/GAP
Start	1081	End	4906
GI	1742_1.R1084	Score	2462
Exons	1081..1435, 1522..2276, 4463..4502, 4717..4906		
GI Descrip.	'2144098/pir||I56573 4.0e-40 SC2 - rat >gi_256994_bbs_115268 (S45663) SC2=synaptic glycoprotein [rats, brain, Peptide, 308 aa] [Rattus sp.]'		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54550	Strand	-
Start	735	End	4906
Name	OJ991215_12.0128.C14.o1.tm	Method	TBLASTX:Maize
Start	1358	End	4507
GI	none	Score	116
Exons	1358..1426, 1359..1436, 1520..1684, 1522..2277, 1522..2274, 1524..2276, 4442..4507		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54550	Strand	-
Start	735	End	4906
Name	OJ991215_12.0128.C14.o3.tc	Method	TBLASTX:Cress
Start	1367	End	1755
GI	none	Score	40
Exons	1367..1396, 1367..1402, 1394..1426, 1401..1433, 1522..1614, 1523..1621, 1618..1719, 1619..1684, 1702..1755		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54550	Strand	-
Start	735	End	4906
Name	OJ991215_12.0128.C14.o1.np	Method	AAT/NAP
Start	1370	End	3361
GI	2144098	Score	403
Exons	1370..1420, 1522..2271, 3316..3361		

GI Descrip.	SC2 - rat gi|256994|bbs|115268 (S45663) SC2=synaptic glycoprotein [rats, brain, Peptide, 308 aa] [Rattus sp.]		
Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54550	Strand	-
Start	735	End	4906
Name	OJ991215_12.0128.C14.o3.ts	Method	TBLASTX:Soybean
Start	1492	End	1687
GI	none	Score	160
Exons	1492..1686, 1504..1686, 1523..1687		
Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54550	Strand	-
Start	735	End	4906
Name	OJ991215_12.0128.C14.o1.ts	Method	TBLASTX:Soybean
Start	1687	End	1953
GI	none	Score	157
Exons	1687..1953, 1693..1938, 1730..1951		
Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54550	Strand	-
Start	735	End	4906
Name	OJ991215_12.0128.C14.o1.tc	Method	TBLASTX:Cress
Start	1969	End	2286
GI	none	Score	106
Exons	1969..2154, 1976..2278, 1978..2274, 2191..2286		
Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54550	Strand	-
Start	735	End	4906
Name	OJ991215_12.0128.C14.o4.ts	Method	TBLASTX:Soybean
Start	2050	End	2271
GI	none	Score	112
Exons	2050..2271, 2051..2161, 2177..2263		
Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54551	Strand	
Start	11550	End	14310
Name	OJ991215_12.0128.C14.o2.tc	Method	TBLASTX:Cress
Start	11550	End	14263
GI	none	Score	87
Exons	11550..11624, 11716..11829, 12963..13055, 12965..13063, 12966..13064, 12967..13077, 13442..13501, 13621..13719, 13649..13720, 13820..13918, 13821..13916, 14003..14113, 14006..14107, 14014..14112, 14219..14263		
Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54551	Strand	
Start	11550	End	14310
Name	OJ991215_12.0128.C14.o2.tm	Method	TBLASTX:Maize
Start	11550	End	14310
GI	none	Score	124
Exons	11550..11624, 11552..11623, 11695..11829, 11716..11829, 12936..13055, 12965..13063, 12966..13064, 13439..13498, 13442..13501, 13603..13719, 13649..13720, 13820..13924, 13821..13910, 13989..14063, 14003..14113, 14003..14101, 14008..14112, 14218..14310, 14219..14263, 14223..14309		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54551	Strand	
Start	11550	End	14310
Name	OJ991215_12.0128.C14.o1.tw	Method	TBLASTX:Wheat
Start	11568	End	13070
GI	none	Score	92
Exons	11568..11624, 11570..11623, 11695..11829, 11716..11829, 12959..13054, 12966..13070		

Seq. No.	26316	Seq. ID	OJ991215_12.0128.C14
Gene No.	54551	Strand	
Start	11550	End	14310
Name	OJ991215_12.0128.C14.o2.ts	Method	TBLASTX:Soybean
Start	12957	End	14298
GI	none	Score	67
Exons	12957..13055, 12959..13051, 12959..13063, 12966..13070, 12970..13077, 13442..13501, 13648..13719, 13649..13720, 13820..13900, 13821..13910, 13823..13927, 13975..14013, 14003..14134, 14017..14112, 14218..14298, 14219..14263		

Seq. No.	26317	Seq. ID	OJ991215_12.0128.C15
Gene No.	54552	Strand	+
Start	1	End	6114
Name	OJ991215_12.0128.C15.o1.np	Method	AAT/NAP
Start	1	End	1800
GI	6851207	Score	119
Exons	1..25, 349..473, 1069..1178, 1305..1386, 1485..1581, 1719..1800		
GI Descrip.	(AF162707) protein tyrosine phosphatase-like protein PTPLA [Ovis aries]		

Seq. No.	26317	Seq. ID	OJ991215_12.0128.C15
Gene No.	54552	Strand	+
Start	1	End	6114
Name	OJ991215_12.0128.C15.o1.ts	Method	TBLASTX:Soybean
Start	351	End	1586
GI	none	Score	65
Exons	351..458, 368..466, 368..466, 369..467, 803..862, 1075..1161, 1119..1178, 1284..1382, 1303..1392, 1477..1584, 1482..1586, 1482..1583		

Seq. No.	26317	Seq. ID	OJ991215_12.0128.C15
Gene No.	54552	Strand	+
Start	1	End	6114
Name	OJ991215_12.0128.C15.o1.tm	Method	TBLASTX:Maize
Start	368	End	5579
GI	none	Score	145
Exons	368..472, 369..473, 373..483, 803..862, 1075..1161, 1106..1180, 1110..1181, 1110..1178, 1275..1385, 1284..1388, 1303..1392, 1482..1586, 1482..1583, 5123..5197, 5124..5201, 5457..5576, 5463..5579		

Seq. No.	26317	Seq. ID	OJ991215_12.0128.C15
Gene No.	54552	Strand	+
Start	1	End	6114
Name	OJ991215_12.0128.C15.o1.gs	Method	GENSCAN
Start	806	End	6114

GI	none	Score	.66
Exons	806..859, 1069..1178, 1305..1386, 3009..3151, 3156..3299, 3488..3620, 4449..4532, 4789..4814, 5120..5197, 5462..5631, ... 6084..6114		

Seq. No.	26318	Seq. ID	OJ991215_12.0128.C16
Gene No.	54553	Strand	+
Start	2537	End	9602
Name	OJ991215_12.0128.C16.o1.np	Method	AAT/NAP
Start	2537	End	6415
GI	5777623	Score	1287
Exons	2537..2711, 2963..3059, 3213..3811, 4600..4828, 6362..6415		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	26318	Seq. ID	OJ991215_12.0128.C16
Gene No.	54553	Strand	+
Start	2537	End	9602
Name	OJ991215_12.0128.C16.o4.np	Method	AAT/NAP
Start	6007	End	9602
GI	5295955	Score	386
Exons	6007..6120, 6174..6282, 7420..7559, 8102..8216, 8897..9036, 9125..9422, 9502..9602		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	26318	Seq. ID	OJ991215_12.0128.C16
Gene No.	54554	Strand	-
Start	4736	End	9480
Name	OJ991215_12.0128.C16.o1.tm	Method	TBLASTX:Maize
Start	746	End	1218
GI	none	Score	74
Exons	746..802, 751..822, 751..819, 913..1047, 943..1026, 950..1030, 1114..1218, 1114..1215		

Seq. No.	26318	Seq. ID	OJ991215_12.0128.C16
Gene No.	54554	Strand	-
Start	4736	End	9480
Name	OJ991215_12.0128.C16.o2.np	Method	AAT/NAP
Start	4736	End	8140
GI	4680186	Score	183
Exons	4736..5151, 5654..5757, 8118..8140		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26318	Seq. ID	OJ991215_12.0128.C16
Gene No.	54554	Strand	-
Start	4736	End	9480
Name	OJ991215_12.0128.C16.o2.gs	Method	GENSCAN
Start	5948	End	9480
GI	none	Score	.55
Exons	5948..7090, 7141..7336, 7520..7556, 9035..9126, 9340..9423, 9428..9480		

Seq. No.	26319	Seq. ID	OJ991215_12.0128.C17
Gene No.	54555	Strand	+
Start	1	End	371
Name	OJ991215_12.0128.C17.o1.np	Method	AAT/NAP
Start	1	End	371

GI	5295955	Score	333
Exons	1..371		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	26319	Seq. ID	OJ991215_12.0128.C17
Gene No.	54555	Strand	+
Start	1	End	371
Name	OJ991215_12.0128.C17.o1.gs	Method	GENSCAN
Start	110	End	298
GI	none	Score	.99
Exons	110..298		

Seq. No.	26320	Seq. ID	OJ991215_12.0128.C19
Gene No.	54556	Strand	-
Start	3209	End	3518
Name	OJ991215_12.0128.C19.o1.tc	Method	TBLASTX:Cress
Start	352	End	1122
GI	none	Score	67
Exons	352..411, 631..705, 791..913, 819..902, 994..1122, 994..1095		

Seq. No.	26320	Seq. ID	OJ991215_12.0128.C19
Gene No.	54556	Strand	-
Start	3209	End	3518
Name	OJ991215_12.0128.C19.o1.tm	Method	TBLASTX:Maize
Start	352	End	1122
GI	none	Score	62
Exons	352..411, 631..705, 636..707, 636..704, 791..904, 791..901, 799..906, 994..1122, 994..1095, 995..1096, 996..1097		

Seq. No.	26320	Seq. ID	OJ991215_12.0128.C19
Gene No.	54556	Strand	-
Start	3209	End	3518
Name	OJ991215_12.0128.C19.o1.ts	Method	TBLASTX:Soybean
Start	352	End	1128
GI	none	Score	69
Exons	352..411, 631..705, 645..704, 800..898, 819..902, 994..1122, 994..1128		

Seq. No.	26320	Seq. ID	OJ991215_12.0128.C19
Gene No.	54556	Strand	-
Start	3209	End	3518
Name	OJ991215_12.0128.C19.o1.gs	Method	GENSCAN
Start	3209	End	3518
GI	none	Score	.77
Exons	3209..3290, 3331..3518		

Seq. No.	26321	Seq. ID	OJ991215_12.0128.C20
Gene No.	54557	Strand	+
Start	801	End	983
Name	OJ991215_12.0128.C20.o1.np	Method	AAT/NAP
Start	801	End	983
GI	4680492	Score	101
Exons	801..983		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	26321	Seq. ID	OJ991215_12.0128.C20

Gene No.	54558	Strand	+
Start	2390	End	6363
Name	OJ991215_12.0128.C20.o2.gs	Method	GENSCAN
Start	2390	End	6363
GI	none	Score	.55
Exons	2390..2460, 2965..3076, 3934..5185, 5252..5378, 6330..6363		

Seq. No.	26321	Seq. ID	OJ991215_12.0128.C20
Gene No.	54559	Strand	+
Start	7824	End	10468
Name	OJ991215_12.0128.C20.o2.np	Method	AAT/NAP
Start	7064	End	10468
GI	6069646	Score	162
Exons	7064..7118, 9975..10220, 10372..10468		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26321	Seq. ID	OJ991215_12.0128.C20
Gene No.	54559	Strand	+
Start	7824	End	10468
Name	OJ991215_12.0128.C20.o3.gs	Method	GENSCAN
Start	7824	End	8490
GI	none	Score	.43
Exons	7824..8065, 8158..8257, 8380..8490		

Seq. No.	26321	Seq. ID	OJ991215_12.0128.C20
Gene No.	54560	Strand	-
Start	8833	End	10281
Name	OJ991215_12.0128.C20.o4.gs	Method	GENSCAN
Start	8833	End	10244
GI	none	Score	.71
Exons	8833..8932, 9684..9828, 9896..10002, 10129..10244		

Seq. No.	26321	Seq. ID	OJ991215_12.0128.C20
Gene No.	54560	Strand	-
Start	8833	End	10281
Name	OJ991215_12.0128.C20.o2.tm	Method	TBLASTX:Maize
Start	8885	End	9148
GI	none	Score	154
Exons	8885..9049, 8902..9030, 9047..9148		

Seq. No.	26321	Seq. ID	OJ991215_12.0128.C20
Gene No.	54560	Strand	-
Start	8833	End	10281
Name	OJ991215_12.0128.C20.o1.tm	Method	TBLASTX:Maize
Start	9809	End	10281
GI	none	Score	106
Exons	9809..9919, 9810..9947, 9975..10220, 9977..10138, 10228..10281		

Seq. No.	26322	Seq. ID	OJ991215_12.0128.C21
Gene No.	54561	Strand	+
Start	50	End	778
Name	OJ991215_12.0128.C21.o1.gp	Method	AAT/GAP
Start	50	End	660

GI	569557	Score	434
Exons	50..81, 203..290, 383..479, 631..660		

Seq. No.	26322	Seq. ID	OJ991215_12.0128.C21
Gene No.	54561	Strand	+
Start	50	End	778
Name	OJ991215_12.0128.C21.o1.gs	Method	GENSCAN
Start	203	End	778
GI	none	Score	.68
Exons	203..290, 374..479, 738..778		

Seq. No.	26322	Seq. ID	OJ991215_12.0128.C21
Gene No.	54562	Strand	+
Start	5683	End	5876
Name	OJ991215_12.0128.C21.o3.gp	Method	AAT/GAP
Start	5683	End	5876
GI	none	Score	367
Exons	5683..5876		

Seq. No.	26322	Seq. ID	OJ991215_12.0128.C21
Gene No.	54563	Strand	-
Start	1943	End	5165
Name	OJ991215_12.0128.C21.o2.gs	Method	GENSCAN
Start	1943	End	5165
GI	none	Score	.55
Exons	1943..1971, 2047..2211, 2665..2923, 3925..3957, 4062..4140, 5047..5165		

Seq. No.	26322	Seq. ID	OJ991215_12.0128.C21
Gene No.	54563	Strand	-
Start	1943	End	5165
Name	OJ991215_12.0128.C21.o2.gp	Method	AAT/GAP
Start	4719	End	4798
GI	38012_1.R1084	Score	99
Exons	4719..4798		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	26323	Seq. ID	OJ991215_12.0128.C22
Gene No.	54564	Strand	+
Start	1	End	1588
Name	OJ991215_12.0128.C22.o1.np	Method	AAT/NAP
Start	1	End	1585
GI	3236240	Score	1547
Exons	1..56, 132..292, 323..1585		
GI Descrip.	(AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	26323	Seq. ID	OJ991215_12.0128.C22
Gene No.	54564	Strand	+
Start	1	End	1588
Name	OJ991215_12.0128.C22.o1.gs	Method	GENSCAN
Start	14	End	1588
GI	none	Score	.5
Exons	14..626, 654..786, 934..1588		

Seq. No.	26323	Seq. ID	OJ991215_12.0128.C22
Gene No.	54564	Strand	+

Start	1	End	1588
Name	OJ991215_12.0128.C22.o1.tm	Method	TBLASTX:Maize
Start	216	End	1240
GI	none	Score	88
Exons	216..329, 217..330, 230..349, 230..346, 284..913, 319..915, 321..917, 355..864, 900..1238, 921..1145, 926..1240, 940..1239		

Seq. No.	26323	Seq. ID	OJ991215_12.0128.C22
Gene No.	54564	Strand	+
Start	1	End	1588
Name	OJ991215_12.0128.C22.o1.tc	Method	TBLASTX:Cress
Start	248	End	861
GI	none	Score	44
Exons	248..292, 350..481, 355..480, 466..750, 467..751, 728..814, 754..804, 806..856, 808..861		

Seq. No.	26323	Seq. ID	OJ991215_12.0128.C22
Gene No.	54564	Strand	+
Start	1	End	1588
Name	OJ991215_12.0128.C22.o1.ts	Method	TBLASTX:Soybean
Start	272	End	1588
GI	none	Score	38
Exons	272..313, 353..469, 355..468, 464..946, 472..864, 482..892, 929..967, 983..1552, 991..1551, 1553..1588		

Seq. No.	26323	Seq. ID	OJ991215_12.0128.C22
Gene No.	54564	Strand	+
Start	1	End	1588
Name	OJ991215_12.0128.C22.o1.tw	Method	TBLASTX:Wheat
Start	562	End	967
GI	none	Score	469
Exons	562..858, 566..895, 566..895, 570..914, 786..902, 894..911, 938..967		

Seq. No.	26323	Seq. ID	OJ991215_12.0128.C22
Gene No.	54564	Strand	+
Start	1	End	1588
Name	OJ991215_12.0128.C22.o2.tc	Method	TBLASTX:Cress
Start	1160	End	1552
GI	none	Score	469
Exons	1160..1516, 1165..1527, 1171..1515, 1507..1551, 1508..1552		

Seq. No.	26323	Seq. ID	OJ991215_12.0128.C22
Gene No.	54564	Strand	+
Start	1	End	1588
Name	OJ991215_12.0128.C22.o2.tm	Method	TBLASTX:Maize
Start	1241	End	1555
GI	none	Score	453
Exons	1241..1555, 1241..1549, 1246..1554		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54565	Strand	+
Start	166	End	9742
Name	OJ991215_12.0128.C23.o1.np	Method	AAT/NAP
Start	166	End	2632
GI	2231046	Score	998
Exons	166..291, 383..457, 665..725, 952..1025, 1103..1207, 1574..1681,		

1780..1883, 2038..2187, 2262..2385, 2534..2632
GI Descrip. (Y12618) PPF-1 protein [Pisum sativum]

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54565	Strand	+
Start	166	End	9742
Name	OJ991215_12.0128.C23.o1.gp	Method	AAT/GAP
Start	181	End	1634
GI	uC-osroM202021b01b1	Score	817
Exons	181..291, 383..457, 665..725, 952..1025, 1103..1207, 1574..1634		
GI Descrip.	'2209332 6.0e-76 (U89272) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana] >gi_3927828 (AC005727) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana]'		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54565	Strand	+
Start	166	End	9742
Name	OJ991215_12.0128.C23.o1.gs	Method	GENSCAN
Start	181	End	9742
GI	none	Score	.81
Exons	181..291, 383..457, 665..725, 952..1025, 1649..1681, 1780..1883, 2038..2187, 2262..2385, 3189..3218, 3790..3975, 4396..4574, 5472..5520, 5799..5834, 6158..6664, 8309..8827, 8911..9105, 9263..9742		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54565	Strand	+
Start	166	End	9742
Name	OJ991215_12.0128.C23.o2.gp	Method	AAT/GAP
Start	2053	End	3245
GI	13573_1.R1084	Score	1476
Exons	2053..2187, 2262..2385, 2537..2679, 2845..3245		
GI Descrip.	'2231046/emb|CAA73179| 1.0e-15 (Y12618) PPF-1 protein [Pisum sativum]'		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54565	Strand	+
Start	166	End	9742
Name	OJ991215_12.0128.C23.o3.gp	Method	AAT/GAP
Start	6123	End	6460
GI	4715033	Score	664
Exons	6123..6460		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54566	Strand	+
Start	10101	End	19847
Name	OJ991215_12.0128.C23.o2.gs	Method	GENSCAN
Start	10101	End	10511
GI	none	Score	.55
Exons	10101..10511		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54566	Strand	+
Start	10101	End	19847
Name	OJ991215_12.0128.C23.o2.np	Method	AAT/NAP
Start	10111	End	19537
GI	3080433	Score	1281

Exons	10111..10194, 12506..12763, 17258..17776, 17866..18101, 18196..18466, 18568..18705, 19286..19537		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54566	Strand	+
Start	10101	End	19847
Name	OJ991215_12.0128.C23.o4.gp	Method	AAT/GAP
Start	10587	End	10838
GI	4715034	Score	409
Exons	10587..10838		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54566	Strand	+
Start	10101	End	19847
Name	OJ991215_12.0128.C23.o3.gs	Method	GENSCAN
Start	12287	End	19847
GI	none	Score	.45
Exons	12287..12748, 17258..17776, 17866..18101, 18196..18328, 18568..18693, 19286..19498, 19749..19847		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54567	Strand	+
Start	20338	End	22117
Name	OJ991215_12.0128.C23.o4.gs	Method	GENSCAN
Start	20338	End	22117
GI	none	Score	.6
Exons	20338..20398, 20433..20620, 21175..21313, 22007..22117		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54568	Strand	-
Start	12925	End	15447
Name	OJ991215_12.0128.C23.o5.gp	Method	AAT/GAP
Start	12925	End	15447
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	12925..12985, 15402..15447		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o2.tc	Method	TBLASTX:Cress
Start	163	End	2307
GI	none	Score	181
Exons	163..306, 186..293, 380..457, 382..459, 383..457, 661..732, 665..727, 942..1025, 945..1070, 950..1081, 1071..1124, 1091..1207, 1100..1207, 1101..1208, 1102..1209, 1102..1209, 1573..1677, 1574..1735, 1771..1836, 1773..1841, 1777..1884, 1779..1883, 2036..2185, 2038..2190, 2042..2188, 2260..2307		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o3.ts	Method	TBLASTX:Soybean

Start	163	End	454
GI	none	Score	186
Exons	163..306, 163..261, 180..293, 382..450, 383..454		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o2.tm	Method	TBLASTX:Maize
Start	244	End	2286
GI	none	Score	70
Exons	244..306, 246..293, 382..450, 383..457, 648..725, 663..725, 664..726, 664..732, 665..727, 910..1026, 944..1069, 945..1070, 1091..1207, 1100..1207, 1101..1208, 1102..1209, 1102..1209, 1572..1676, 1573..1677, 1573..1677, 1574..1681, 1777..1893, 1778..1837, 1779..1883, 2037..2168, 2038..2169, 2038..2172, 2039..2173, 2260..2286		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o2.ts	Method	TBLASTX:Soybean
Start	1555	End	2307
GI	none	Score	178
Exons	1555..1677, 1565..1681, 1565..1681, 1785..1883, 1786..1893, 2036..2188, 2037..2189, 2038..2190, 2039..2188, 2260..2307		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o1.tc	Method	TBLASTX:Cress
Start	8306	End	19534
GI	none	Score	157
Exons	8306..8455, 8311..8454, 8459..8914, 8545..8874, 8961..9083, 8962..9138, 9230..9436, 9234..9437, 9422..9499, 9423..9497, 9576..9719, 12503..12676, 12526..12660, 12649..12687, 12659..12745, 17255..17404, 17260..17403, 17408..17740, 17644..17778, 17916..18083, 17917..18108, 18193..18474, 18197..18466, 18562..18705, 19274..19438, 19451..19534		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o4.tm	Method	TBLASTX:Maize
Start	8365	End	17575
GI	none	Score	99
Exons	8365..8454, 8366..8455, 8465..8626, 8519..8623, 8548..8625, 17297..17404, 17314..17403, 17377..17574, 17414..17575		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o1.ts	Method	TBLASTX:Soybean
Start	8528	End	18250
GI	none	Score	315
Exons	8528..8830, 8548..8829, 8905..9138, 8955..9128, 9230..9286, 9231..9287, 17477..17740, 17641..17778, 17866..18108, 17910..18083, 18187..18249, 18194..18250		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o1.tm	Method	TBLASTX:Maize
Start	8633	End	18045
GI	none	Score	35
Exons	8633..8662, 8633..8662, 8665..8823, 8666..8830, 8911..9090, 8913..9089, 17582..17611, 17615..17740, 17641..17772, 17864..17971, 17865..17972, 17865..18044, 17866..18045		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o4.ts	Method	TBLASTX:Soybean
Start	9288	End	18466
GI	none	Score	249
Exons	9288..9497, 9290..9499, 18251..18367, 18253..18354, 18410..18466		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o5.tm	Method	TBLASTX:Maize
Start	9578	End	19444
GI	none	Score	166
Exons	9578..9724, 9579..9719, 9579..9731, 10153..10311, 10155..10313, 18565..18705, 18565..18705, 18612..18710, 19274..19441, 19274..19444		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54569	Strand	-
Start	19299	End	19673
Name	OJ991215_12.0128.C23.o6.gp	Method	AAT/GAP
Start	19299	End	19673
GI	none	Score	722
Exons	19299..19673		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54570	Strand	
Start	21150	End	23400
Name	OJ991215_12.0128.C23.o3.tc	Method	TBLASTX:Cress
Start	21150	End	23394
GI	none	Score	36
Exons	21150..21167, 21220..21267, 21996..22205, 22006..22209, 22062..22211, 22088..22228, 22669..22776, 22916..23002, 23052..23111, 23201..23254, 23338..23394		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23
Gene No.	54570	Strand	
Start	21150	End	23400
Name	OJ991215_12.0128.C23.o5.ts	Method	TBLASTX:Soybean
Start	21175	End	22969
GI	none	Score	62
Exons	21175..21267, 21189..21290, 21996..22202, 22006..22209, 22669..22776, 22916..22969		

Seq. No.	26324	Seq. ID	OJ991215_12.0128.C23

Gene No.	54570	Strand	
Start	21150	End	23400
Name	OJ991215_12.0128.C23.o3.tm	Method	TBLASTX:Maize
Start	22023	End	23400
GI	none	Score	197
Exons	22023..22202, 22024..22209, 22026..22202, 22686..22769, 22687..22776, 22690..22770, 22698..22775, 22913..22948, 22915..22956, 22916..22960, 23016..23111, 23024..23110, 23034..23123, 23197..23235, 23199..23258, 23201..23275, 23327..23392, 23328..23393, 23328..23399, 23329..23400		

Seq. No.	26325	Seq. ID	OJ991215_12.0128.C25
Gene No.	54571	Strand	+
Start	357	End	451
Name	OJ991215_12.0128.C25.o1.gs	Method	GENSCAN
Start	357	End	451
GI	none	Score	.43
Exons	357..451		

Seq. No.	26325	Seq. ID	OJ991215_12.0128.C25
Gene No.	54572	Strand	+
Start	525	End	606
Name	OJ991215_12.0128.C25.o1.gp	Method	AAT/GAP
Start	525	End	606
GI	3762464	Score	82
Exons	525..606		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54573	Strand	+
Start	1630	End	1842
Name	OJ991215_08.0118.C1.o1.gs	Method	GENSCAN
Start	1630	End	1842
GI	none	Score	.88
Exons	1630..1756, 1786..1842		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54574	Strand	+
Start	2222	End	4657
Name	OJ991215_08.0118.C1.o1.gp	Method	AAT/GAP
Start	2177	End	2702
GI	none	Score	858
Exons	2177..2536, 2612..2702		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54574	Strand	+
Start	2222	End	4657
Name	OJ991215_08.0118.C1.o2.gs	Method	GENSCAN
Start	2222	End	4657
GI	none	Score	.91
Exons	2222..2536, 2612..2716, 3038..3159, 3306..3455, 4175..4328, 4577..4657		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54575	Strand	+
Start	5441	End	5937
Name	OJ991215_08.0118.C1.o2.gp	Method	AAT/GAP
Start	5441	End	5937

GI	none	Score	964
Exons	5441..5937		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54576	Strand	+
Start	32782	End	35363
Name	OJ991215_08.0118.C1.o5.gs	Method	GENSCAN
Start	32782	End	34282
GI	none	Score	.92
Exons	32782..32854, 33522..33739, 33884..34282		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54576	Strand	+
Start	32782	End	35363
Name	OJ991215_08.0118.C1.o4.np	Method	AAT/NAP
Start	33633	End	35363
GI	3150407	Score	311
Exons	33633..33794, 33884..34075, 35249..35363		
GI Descrip.	(AC004165) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54577	Strand	+
Start	38836	End	46151
Name	OJ991215_08.0118.C1.o6.gs	Method	GENSCAN
Start	38836	End	46151
GI	none	Score	.55
Exons	38836..38894, 38936..39114, 39210..39379, 40553..40615, 40979..41136, 42530..42878, 44108..44256, 45380..46151		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54577	Strand	+
Start	38836	End	46151
Name	OJ991215_08.0118.C1.o6.gp	Method	AAT/GAP
Start	38936	End	41547
GI	none	Score	855
Exons	38936..39114, 40431..40476, 40553..40615, 41342..41547		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54578	Strand	+
Start	49347	End	50004
Name	OJ991215_08.0118.C1.o7.gs	Method	GENSCAN
Start	49347	End	50004
GI	none	Score	.43
Exons	49347..49388, 49789..50004		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54579	Strand	+
Start	54047	End	54324
Name	OJ991215_08.0118.C1.o10.gp	Method	AAT/GAP
Start	53938	End	54324
GI	286280	Score	490
Exons	53938..54127, 54200..54324		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54579	Strand	+
Start	54047	End	54324
Name	OJ991215_08.0118.C1.o7.np	Method	AAT/NAP

Start	54047	End	54280
GI	3023377	Score	195
Exons	54047..54127, 54200..54280		
GI Descrip.	LOW-TEMPERATURE INDUCED PROTEIN BLT101 (SALT-STRESS INDUCED HYDROPHOBIC PEPTIDE ESI3) gi|629776|pir||S40406 blt101 protein - barley gi|439273|emb|CAA80984| (Z25537) 54 amino acids [Hordeum vulgare] gi|551068|gb|AAA21847.1| (U00966) salt-stress induced hydrophobic peptide [Elytrigia elongata]		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54579	Strand	+
Start	54047	End	54324
Name	OJ991215_08.0118.C1.o9.gs	Method	GENSCAN
Start	54047	End	54283
GI	none	Score	1
Exons	54047..54127, 54200..54283		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54580	Strand	+
Start	60659	End	69908
Name	OJ991215_08.0118.C1.o11.gs	Method	GENSCAN
Start	60659	End	69908
GI	none	Score	.83
Exons	60659..60738, 60785..60833, 60866..60958, 62007..62033, 65577..65716, 66743..66903, 68215..68327, 68364..68489, 68576..68722, 68748..69908		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54581	Strand	+
Start	78943	End	86742
Name	OJ991215_08.0118.C1.o13.gs	Method	GENSCAN
Start	78943	End	85611
GI	none	Score	.9
Exons	78943..79060, 81912..81995, 82082..82141, 82218..82265, 82372..82449, 82874..82972, 83071..83133, 83287..83360, 83461..83535, 83902..84006, 84112..85611		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54581	Strand	+
Start	78943	End	86742
Name	OJ991215_08.0118.C1.o12.np	Method	AAT/NAP
Start	83755	End	86739
GI	6539581	Score	4273
Exons	83755..83787, 83902..84006, 84112..84549, 84655..86514, 86593..86739		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54581	Strand	+
Start	78943	End	86742
Name	OJ991215_08.0118.C1.o14.gs	Method	GENSCAN
Start	85846	End	86742
GI	none	Score	.4
Exons	85846..86514, 86593..86742		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1

Gene No.	54582	Strand	-
Start	5718	End	9402
Name	OJ991215_08.0118.C1.o3.gs	Method	GENSCAN
Start	5718	End	9385
GI	none	Score	.74
Exons	5718..6443, 6541..6660, 6849..7064, 7976..8263, 8769..8912, 8953..9110, 9184..9385		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54582	Strand	-
Start	5718	End	9402
Name	OJ991215_08.0118.C1.o2.np	Method	AAT/NAP
Start	5754	End	8596
GI	6682249	Score	528
Exons	5754..6122, 6175..6443, 6535..6660, 6849..7064, 7976..8053, 8570..8596		
GI Descrip.	(AC016661) putative SF16 protein [Arabidopsis thaliana]		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54582	Strand	-
Start	5718	End	9402
Name	OJ991215_08.0118.C1.o3.gp	Method	AAT/GAP
Start	6237	End	9402
GI	19789_1.R1084	Score	2572
Exons	6237..6443, 6541..6660, 6849..7064, 7976..8263, 8769..8857, 8953..9402		
GI Descrip.	'2739366 4.0e-33 (AC002505) SF16 like protein [Arabidopsis thaliana]'		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54583	Strand	-
Start	12052	End	30859
Name	OJ991215_08.0118.C1.o4.gs	Method	GENSCAN
Start	12052	End	30859
GI	none	Score	.46
Exons	12052..12181, 13766..13895, 15667..15713, 15863..16014, 17297..17582, 19239..19321, 20729..21484, 22887..22969, 25354..25452, 25842..25888, 28039..28201, 29054..29195, 30644..30859		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54583	Strand	-
Start	12052	End	30859
Name	OJ991215_08.0118.C1.o4.gp	Method	AAT/GAP
Start	15685	End	17548
GI	16548_1.R1084	Score	1092
Exons	15685..16014, 17297..17548		
GI Descrip.	'4371292/gb|AAD18150| 1.0e-25 (AC006260) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54583	Strand	-
Start	12052	End	30859
Name	OJ991215_08.0118.C1.o3.np	Method	AAT/NAP
Start	15889	End	21381
GI	4371292	Score	591
Exons	15889..16014, 17297..17392, 17450..17582, 20729..21381		

GI Descrip. (AC006260) unknown protein [Arabidopsis thaliana]

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54583	Strand	-
Start	12052	End	30859
Name	OJ991215_08.0118.C1.o5.gp	Method	AAT/GAP
Start	21070	End	21784
GI	none	Score	1407
Exons	21070..21784		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54584	Strand	-
Start	42228	End	42646
Name	OJ991215_08.0118.C1.o7.gp	Method	AAT/GAP
Start	42228	End	42646
GI	40244_1.R1084	Score	811
Exons	42228..42646		

GI Descrip. '3551954/gb|AAC34855.1| 2.0e-09 (AF082030) senescence-associated protein 5 [Hemerocallis hybrid cultivar]'

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54585	Strand	-
Start	42624	End	46255
Name	OJ991215_08.0118.C1.o5.np	Method	AAT/NAP
Start	42624	End	46121
GI	4455364	Score	584
Exons	42624..42921, 45619..46121		

GI Descrip. (AL035524) senescence-associated protein-like [Arabidopsis thaliana]

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54585	Strand	-
Start	42624	End	46255
Name	OJ991215_08.0118.C1.o8.gp	Method	AAT/GAP
Start	42699	End	45806
GI	4881166	Score	703
Exons	42699..42914, 45588..45806		

GI Descrip. 3551954/gb|AAC34855.1| 2.0e-09 (AF082030) senescence-associated protein 5 [Hemerocallis hybrid cultivar]

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54585	Strand	-
Start	42624	End	46255
Name	OJ991215_08.0118.C1.o9.gp	Method	AAT/GAP
Start	45856	End	46255
GI	31180_1.R1084	Score	796
Exons	45856..46255		

GI Descrip. '4455364/emb|CAB36774.1| 3.0e-18 (AL035524) senescence-associated protein-like [Arabidopsis thaliana]'

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54586	Strand	-
Start	52461	End	52679
Name	OJ991215_08.0118.C1.o6.np	Method	AAT/NAP
Start	52461	End	52679
GI	133999	Score	186
Exons	52461..52679		

GI Descrip. CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 gi|70904|pir||R3RZ7 ribosomal protein S7 - rice chloroplast gi|12037|emb|CAA33942| (X15901) ribosomal protein S7 [Oryza sativa] gi|12065|emb|CAA33919| (X15901) ribosomal protein S7 [Oryza sativa] gi|226657|prf||1603356CH ribosomal protein S7 [Oryza sativa]

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54587	Strand	-
Start	55927	End	59455
Name	OJ991215_08.0118.C1.o10.gs	Method	GENSCAN
Start	55927	End	59455
GI	none	Score	.86
Exons	55927..57543, 57952..58112, 58781..58865, 58924..58984, 59376..59455		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54587	Strand	-
Start	55927	End	59455
Name	OJ991215_08.0118.C1.o8.np	Method	AAT/NAP
Start	55930	End	58146
GI	4371293	Score	758
Exons	55930..56298, 56341..56747, 56775..57132, 57178..57360, 57403..57545, 57945..58146		
GI Descrip.	(AC006260) putative myosin heavy chain [Arabidopsis thaliana]		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54588	Strand	-
Start	68033	End	81573
Name	OJ991215_08.0118.C1.o10.np	Method	AAT/NAP
Start	68033	End	81573
GI	4467148	Score	131
Exons	68033..68061, 76549..76669, 76803..76913, 77737..78021, 81543..81573		
GI Descrip.	(AL035540) putative protein [Arabidopsis thaliana]		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54588	Strand	-
Start	68033	End	81573
Name	OJ991215_08.0118.C1.o12.gs	Method	GENSCAN
Start	71247	End	78063
GI	none	Score	.9
Exons	71247..71312, 71401..71484, 71585..71713, 71805..71873, 71963..72043, 72138..72464, 72559..73680, 73981..74923, 75043..75164, 75254..75406, 75725..75859, 76282..76440, 76553..76669, 76803..76913, 77737..78063		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54588	Strand	-
Start	68033	End	81573
Name	OJ991215_08.0118.C1.o9.np	Method	AAT/NAP
Start	71250	End	75145
GI	4467147	Score	824
Exons	71250..71312, 71401..71520, 71585..71704, 71805..71873, 71963..72043, 72138..72464, 72559..73236, 73294..73385, 74994..75145		
GI Descrip.	(AL035540) putative protein [Arabidopsis thaliana]		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54588	Strand	-
Start	68033	End	81573
Name	OJ991215_08.0118.C1.o11.np	Method	AAT/NAP
Start	77737	End	78419
GI	1076802	Score	91
Exons	77737..77978, 78058..78419		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o8.tc	Method	TBLASTX:Cress
Start	3316	End	4958
GI	none	Score	56
Exons	3316..3357, 3384..3458, 3385..3465, 4170..4328, 4170..4307, 4562..4654, 4764..4958		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o8.tm	Method	TBLASTX:Maize
Start	4561	End	4917
GI	none	Score	137
Exons	4561..4656, 4562..4654, 4576..4671, 4760..4915, 4763..4915, 4764..4916, 4764..4916, 4765..4917		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	5442	End	6390
GI	none	Score	42
Exons	5442..5480, 5442..5480, 5449..5568, 5480..5509, 5530..5565, 5572..5610, 5573..5611, 5573..5611, 5683..5724, 5705..5734, 5716..5733, 5722..5781, 5727..5813, 5729..5791, 5784..5891, 5784..5933, 5785..5892, 5931..6017, 5931..6041, 5932..6042, 5944..6048, 5948..6049, 5985..6389, 6001..6390		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o10.tc	Method	TBLASTX:Cress
Start	5784	End	6161
GI	none	Score	116
Exons	5784..5813, 5925..6161, 5926..6087		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o3.ts	Method	TBLASTX:Soybean
Start	6048	End	8837
GI	none	Score	107
Exons	6048..6173, 6204..6296, 6282..6443, 6340..6441, 6340..6459,		

6535..6657, 6541..6672, 6900..7022, 6910..7038, 8769..8837

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o4.tc	Method	TBLASTX:Cress
Start	6273	End	6663
GI	none	Score	107
Exons	6273..6443, 6298..6441, 6355..6459, 6535..6663, 6541..6657, 6552..6662		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o11.tm	Method	TBLASTX:Maize
Start	6393	End	8868
GI	none	Score	55
Exons	6393..6446, 6393..6446, 6394..6480, 6400..6450, 6541..6660, 6541..6672, 6846..7064, 6854..7063, 6907..7065, 6932..7090, 7969..8043, 7971..8051, 7975..8106, 7976..8107, 8098..8148, 8152..8265, 8174..8257, 8198..8269, 8769..8849, 8770..8868, 8785..8850		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o3.tm	Method	TBLASTX:Maize
Start	15908	End	20928
GI	none	Score	159
Exons	15908..16018, 15910..16017, 17295..17582, 17295..17585, 17297..17596, 20725..20928, 20729..20926		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o6.ts	Method	TBLASTX:Soybean
Start	15919	End	17602
GI	none	Score	66
Exons	15919..15954, 15941..16012, 15946..16017, 17297..17386, 17301..17378, 17459..17602, 17465..17584, 17475..17585		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o5.tc	Method	TBLASTX:Cress
Start	15949	End	20820
GI	none	Score	51
Exons	15949..16017, 17295..17369, 17297..17386, 17459..17578, 17478..17579, 20728..20820		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o2.tc	Method	TBLASTX:Cress
Start	33653	End	34015
GI	none	Score	188
Exons	33653..33796, 33657..33794, 33877..34002, 33878..34015		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o9.tm	Method	TBLASTX:Maize
Start	33653	End	33976
GI	none	Score	196
Exons	33653..33787, 33657..33794, 33717..33794, 33878..33976, 33883..33975		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o4.ts	Method	TBLASTX:Soybean
Start	33696	End	34099
GI	none	Score	156
Exons	33696..33794, 33707..33790, 33875..34000, 33883..34008, 34070..34099		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o4.tm	Method	TBLASTX:Maize
Start	42293	End	45786
GI	none	Score	68
Exons	42293..42343, 42297..42398, 42363..42407, 42541..42915, 42564..42920, 42566..42922, 45588..45785, 45589..45786		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o1.ts	Method	TBLASTX:Soybean
Start	42564	End	46118
GI	none	Score	178
Exons	42564..42845, 42580..42846, 42837..42920, 42855..42917, 45588..45638, 45675..45830, 45724..46101, 45894..46118		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o1.tc	Method	TBLASTX:Cress
Start	42591	End	46118
GI	none	Score	178
Exons	42591..42815, 42595..42816, 42837..42920, 42855..42917, 45588..45638, 45669..45830, 45685..46101, 45894..46118		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o7.tm	Method	TBLASTX:Maize
Start	45880	End	46181
GI	none	Score	286
Exons	45880..46173, 45894..46181		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114

Name	OJ991215_08.0118.C1.o4.tw	Method	TBLASTX:Wheat
Start	45894	End	46121
GI	none	Score	214
Exons	45894..46121		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o10.tm	Method	TBLASTX:Maize
Start	52422	End	52686
GI	none	Score	127
Exons	52422..52529, 52422..52511, 52426..52530, 52427..52531, 52530..52679, 52532..52678, 52534..52680, 52570..52686		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o8.ts	Method	TBLASTX:Soybean
Start	52422	End	52679
GI	none	Score	99
Exons	52422..52526, 52437..52511, 52441..52527, 52442..52528, 52531..52677, 52551..52679, 52570..52677		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o6.tc	Method	TBLASTX:Cress
Start	52422	End	52679
GI	none	Score	90
Exons	52422..52526, 52437..52511, 52441..52527, 52442..52528, 52534..52665, 52551..52679, 52570..52674		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o14.tm	Method	TBLASTX:Maize
Start	54025	End	54284
GI	none	Score	50
Exons	54025..54135, 54047..54118, 54194..54256, 54194..54277, 54196..54279, 54204..54284		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o5.tm	Method	TBLASTX:Maize
Start	56856	End	57260
GI	none	Score	68
Exons	56856..56978, 56857..56979, 56857..57258, 56858..57259, 56861..57256, 57072..57260		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o7.ts	Method	TBLASTX:Soybean
Start	57208	End	58002
GI	none	Score	69
Exons	57208..57546, 57952..58002		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o10.ts	Method	TBLASTX:Soybean
Start	71247	End	71654
GI	none	Score	68
Exons	71247..71315, 71248..71340, 71378..71485, 71401..71490, 71579..71653, 71580..71654		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	71247	End	72810
GI	none	Score	62
Exons	71247..71309, 71401..71466, 71402..71467, 71580..71711, 71585..71728, 71585..71713, 71805..71864, 71927..72046, 72130..72318, 72135..72344, 72357..72464, 72556..72663, 72557..72748, 72559..72747, 72784..72810		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o2.tw	Method	TBLASTX:Wheat
Start	71247	End	71876
GI	none	Score	42
Exons	71247..71315, 71277..71315, 71401..71466, 71408..71467, 71580..71708, 71585..71710, 71585..71710, 71802..71876		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o2.ts	Method	TBLASTX:Soybean
Start	71657	End	72747
GI	none	Score	83
Exons	71657..71710, 71802..71876, 71927..72046, 72130..72252, 72135..72251, 72258..72344, 72259..72318, 72369..72464, 72559..72747		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o3.tc	Method	TBLASTX:Cress
Start	72184	End	72756
GI	none	Score	68
Exons	72184..72318, 72189..72344, 72345..72464, 72559..72675, 72691..72756		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o6.tm	Method	TBLASTX:Maize
Start	72776	End	73629
GI	none	Score	82
Exons	72776..72970, 72814..72996, 73009..73065, 73040..73102, 73042..73104, 73120..73389, 73127..73393, 73486..73629		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o9.ts	Method	TBLASTX:Soybean
Start	73018	End	73275
GI	none	Score	78
Exons	73018..73104, 73019..73168, 73120..73275, 73150..73242		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o7.tc	Method	TBLASTX:Cress
Start	73042	End	73338
GI	none	Score	97
Exons	73042..73104, 73121..73333, 73123..73338		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o12.tm	Method	TBLASTX:Maize
Start	84642	End	84891
GI	none	Score	257
Exons	84642..84767, 84649..84891, 84685..84891		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o1.tw	Method	TBLASTX:Wheat
Start	84646	End	85038
GI	none	Score	59
Exons	84646..84744, 84748..85038		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o9.tc	Method	TBLASTX:Cress
Start	84826	End	85185
GI	none	Score	209
Exons	84826..85185, 84865..85185		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o5.ts	Method	TBLASTX:Soybean
Start	84931	End	85257
GI	none	Score	247
Exons	84931..85257, 84931..85149, 84933..85202		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o13.tm	Method	TBLASTX:Maize
Start	84991	End	85608
GI	none	Score	174
Exons	84991..85257, 85027..85257, 85327..85608		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o3.tw	Method	TBLASTX:Wheat
Start	85137	End	85536
GI	none	Score	217
Exons	85137..85232, 85138..85536		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o15.gs	Method	GENSCAN
Start	87336	End	90672
GI	none	Score	.87
Exons	87336..87345, 88302..88405, 88533..88664, 88735..88833, 89720..89830, 89906..89977, 90436..90672		

Seq. No.	26326	Seq. ID	OJ991215_08.0118.C1
Gene No.	54589	Strand	-
Start	87336	End	91114
Name	OJ991215_08.0118.C1.o13.np	Method	AAT/NAP
Start	88530	End	91114
GI	6539580	Score	1775
Exons	88530..88664, 88735..88818, 88978..89147, 89242..89594, 89720..89830, 89906..89977, 90436..90674, 90800..91114		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	26327	Seq. ID	OJ991215_08.0118.C2
Gene No.	54590	Strand	+
Start	89	End	269
Name	OJ991215_08.0118.C2.o1.gs	Method	GENSCAN
Start	89	End	269
GI	none	Score	.77
Exons	89..269		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54591	Strand	+
Start	531	End	3009
Name	OJ991215_09.0118.C1.o1.gs	Method	GENSCAN
Start	531	End	2780
GI	none	Score	.65
Exons	531..787, 793..967, 1236..1413, 1986..2213, 2459..2660, 2666..2780		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54591	Strand	+
Start	531	End	3009
Name	OJ991215_09.0118.C1.o1.gp	Method	AAT/GAP
Start	2573	End	3009
GI	LIB3479-006-Q6-K1-B11	Score	595
Exons	2573..3009		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54592	Strand	+
Start	3055	End	6202

Name	OJ991215_09.0118.C1.o2.gs	Method	GENSCAN
Start	3055	End	6202
GI	none	Score	.77
Exons	3055..3382, 4894..4980, 5276..5762, 5889..5939, 6028..6202		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54593	Strand	+
Start	10470	End	14655
Name	OJ991215_09.0118.C1.o4.gs	Method	GENSCAN
Start	10470	End	14655
GI	none	Score	.47
Exons	10470..10616, 11708..12881, 12924..13118, 13238..13812, 13975..14655		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54594	Strand	+
Start	14719	End	21172
Name	OJ991215_09.0118.C1.o1.np	Method	AAT/NAP
Start	14719	End	20298
GI	5902445	Score	2497
Exons	14719..16149, 18871..19017, 19057..20298		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54594	Strand	+
Start	14719	End	21172
Name	OJ991215_09.0118.C1.o5.gs	Method	GENSCAN
Start	14908	End	16197
GI	none	Score	.74
Exons	14908..15509, 15708..16197		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54594	Strand	+
Start	14719	End	21172
Name	OJ991215_09.0118.C1.o2.gp	Method	AAT/GAP
Start	17779	End	18160
GI	uC-osf1cyp033a04b1	Score	663
Exons	17779..18160		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54594	Strand	+
Start	14719	End	21172
Name	OJ991215_09.0118.C1.o7.gs	Method	GENSCAN
Start	18859	End	21172
GI	none	Score	.61
Exons	18859..19370, 19509..19698, 19816..19959, 20023..20284, 20985..21172		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54595	Strand	+
Start	24253	End	24499
Name	OJ991215_09.0118.C1.o3.gp	Method	AAT/GAP
Start	24253	End	24499
GI	3761181	Score	433
Exons	24253..24499		

GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54596	Strand	+
Start	24516	End	30158
Name	OJ991215_09.0118.C1.o2.np	Method	AAT/NAP
Start	24516	End	30071
GI	5091513	Score	1756
Exons	24516..24562, 24857..25537, 26276..27240, 28056..28103, 28306..28439, 30011..30071		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54596	Strand	+
Start	24516	End	30158
Name	OJ991215_09.0118.C1.o4.gp	Method	AAT/GAP
Start	29912	End	30158
GI	3761181	Score	433
Exons	29912..30158		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54597	Strand	+
Start	30966	End	34072
Name	OJ991215_09.0118.C1.o3.np	Method	AAT/NAP
Start	30966	End	34072
GI	4416302	Score	3326
Exons	30966..34072		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54598	Strand	+
Start	41974	End	43920
Name	OJ991215_09.0118.C1.o10.gs	Method	GENSCAN
Start	41974	End	43920
GI	none	Score	.64
Exons	41974..41986, 42781..42815, 43609..43920		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54599	Strand	+
Start	45634	End	51719
Name	OJ991215_09.0118.C1.o6.np	Method	AAT/NAP
Start	45634	End	51719
GI	1418331	Score	1233
Exons	45634..45717, 49853..50611, 50663..51719		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54600	Strand	-
Start	35657	End	41148
Name	OJ991215_09.0118.C1.o9.gs	Method	GENSCAN
Start	35657	End	41148
GI	none	Score	.4
Exons	35657..35824, 36771..36833, 36862..37045, 37422..37483, 37554..37683, 37935..38253, 38364..38544, 38715..39242,		

39312..39414, 39498..39556, 39626..39823, 39889..39975, 40438..40833, 41092..41148

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54600	Strand	-
Start	35657	End	41148
Name	OJ991215_09.0118.C1.o4.np	Method	AAT/NAP
Start	38649	End	39897
GI	6721561	Score	1145
Exons	38649..39414, 39498..39556, 39626..39897		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54600	Strand	-
Start	35657	End	41148
Name	OJ991215_09.0118.C1.o5.np	Method	AAT/NAP
Start	39153	End	40791
GI	6721558	Score	295
Exons	39153..39366, 39889..40013, 40692..40791		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o9.tw	Method	TBLASTX:Wheat
Start	12818	End	54052
GI	none	Score	154
Exons	12818..12895, 52622..52756, 52622..52756, 52626..52757, 52626..52757, 52627..52758, 53813..53923, 53815..53925, 53982..54050, 53991..54050, 53996..54052		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o11.tw	Method	TBLASTX:Wheat
Start	13092	End	13386
GI	none	Score	217
Exons	13092..13271, 13132..13386, 13138..13347		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o5.tw	Method	TBLASTX:Wheat
Start	14017	End	14472
GI	none	Score	140
Exons	14017..14199, 14025..14198, 14236..14472, 14241..14354		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o1.tw	Method	TBLASTX:Wheat

Start	14664	End	15120
GI	none	Score	531
Exons	14664..14795, 14665..15120, 14665..15102, 14874..15119		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o6.tm	Method	TBLASTX:Maize
Start	14836	End	15150
GI	none	Score	380
Exons	14836..15150, 14848..15099, 14874..15128		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o9.tm	Method	TBLASTX:Maize
Start	15178	End	15561
GI	none	Score	332
Exons	15178..15561, 15238..15363, 15345..15557		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o3.tw	Method	TBLASTX:Wheat
Start	15235	End	15659
GI	none	Score	441
Exons	15235..15657, 15238..15516, 15345..15659		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o6.ts	Method	TBLASTX:Soybean
Start	15289	End	15714
GI	none	Score	305
Exons	15289..15714, 15348..15473, 15525..15560		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o6.tw	Method	TBLASTX:Wheat
Start	19177	End	19560
GI	none	Score	335
Exons	19177..19560, 19185..19559		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o7.tm	Method	TBLASTX:Maize
Start	19177	End	19481
GI	none	Score	340
Exons	19177..19473, 19263..19481		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o4.tw	Method	TBLASTX:Wheat
Start	19630	End	31891

GI	none	Score	76
Exons	19630..19776, 31320..31565, 31605..31691, 31658..31882, 31711..31884, 31715..31891		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o3.tm	Method	TBLASTX:Maize
Start	19633	End	32353
GI	none	Score	81
Exons	19633..19788, 31554..31625, 31561..31626, 31580..31627, 31621..32202, 31661..32242, 31676..32242, 32251..32352, 32255..32353		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o8.tw	Method	TBLASTX:Wheat
Start	19777	End	53533
GI	none	Score	219
Exons	19777..20133, 19830..19937, 20158..20289, 20163..20288, 53441..53533		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o7.ts	Method	TBLASTX:Soybean
Start	22806	End	31076
GI	none	Score	83
Exons	22806..22928, 22992..23324, 23958..24095, 30831..30893, 30943..30984, 31026..31076		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o11.tm	Method	TBLASTX:Maize
Start	30801	End	31154
GI	none	Score	105
Exons	30801..30893, 30922..30975, 30963..31154, 31019..31147		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o13.tw	Method	TBLASTX:Wheat
Start	30937	End	31247
GI	none	Score	62
Exons	30937..30975, 30963..31247, 31013..31165		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o8.tm	Method	TBLASTX:Maize
Start	31157	End	31549
GI	none	Score	92
Exons	31157..31288, 31158..31286, 31276..31482, 31277..31549, 31281..31547, 31324..31548		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o4.ts	Method	TBLASTX:Soybean
Start	31733	End	32194
GI	none	Score	315
Exons	31733..32194, 31762..31923, 31990..32106		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o4.tc	Method	TBLASTX:Cress
Start	31775	End	32191
GI	none	Score	200
Exons	31775..32191		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o12.tw	Method	TBLASTX:Wheat
Start	31976	End	32317
GI	none	Score	93
Exons	31976..32053, 32051..32206, 32066..32206, 32070..32207, 32228..32317, 32254..32307		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o10.tm	Method	TBLASTX:Maize
Start	32411	End	32701
GI	none	Score	278
Exons	32411..32662, 32434..32697, 32651..32701		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o1.ts	Method	TBLASTX:Soybean
Start	32429	End	33042
GI	5509260	Score	705
Exons	32429..33037, 32522..33034, 32524..33042, 32779..33042		
GI Descrip.	-		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o2.tw	Method	TBLASTX:Wheat
Start	32573	End	33034
GI	none	Score	82
Exons	32573..32647, 32654..32680, 32671..33024, 32681..33028, 32687..32815, 32689..33027, 32858..33034		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o5.tc	Method	TBLASTX:Cress
Start	32650	End	32923
GI	none	Score	194

Exons	32650..32796, 32651..32923		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o5.tm	Method	TBLASTX:Maize
Start	32702	End	33169
GI	none	Score	569
Exons	32702..33169, 32702..32821, 32704..33168		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o12.tm	Method	TBLASTX:Maize
Start	33214	End	33403
GI	none	Score	240
Exons	33214..33402, 33215..33403		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o10.tw	Method	TBLASTX:Wheat
Start	33218	End	33649
GI	none	Score	92
Exons	33218..33379, 33392..33649		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	33404	End	34080
GI	none	Score	895
Exons	33404..34066, 33406..34080, 33967..34071		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o3.ts	Method	TBLASTX:Soybean
Start	33413	End	34078
GI	none	Score	300
Exons	33413..33796, 33418..33789, 33425..33796, 33823..34005, 33830..34078		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o3.tc	Method	TBLASTX:Cress
Start	33593	End	34051
GI	none	Score	69
Exons	33593..33682, 33686..33820, 33806..34051, 33823..33999		
Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o5.ts	Method	TBLASTX:Soybean
Start	48047	End	48397
GI	none	Score	312

Exons 48047..48397, 48077..48313, 48097..48393

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	48071	End	48633
GI	none	Score	620

Exons 48071..48313, 48076..48630, 48076..48633, 48077..48631

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o2.tc	Method	TBLASTX:Cress
Start	48092	End	48400
GI	none	Score	294

Exons 48092..48400, 48097..48393

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o1.tc	Method	TBLASTX:Cress
Start	49790	End	51689
GI	none	Score	84

Exons 49790..50002, 50144..50173, 50162..50338, 50191..50349, 50360..50587, 50467..50592, 50675..51025, 50759..51019, 51030..51458, 51035..51112, 51164..51463, 51486..51572, 51584..51682, 51603..51689

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o2.ts	Method	TBLASTX:Soybean
Start	50834	End	51347
GI	none	Score	203

Exons 50834..51019, 50840..51025, 51029..51343, 51030..51347

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o7.tw	Method	TBLASTX:Wheat
Start	50861	End	51289
GI	none	Score	138

Exons 50861..51025, 50929..51024, 51030..51287, 51155..51289

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o4.tm	Method	TBLASTX:Maize
Start	50891	End	51458
GI	none	Score	148

Exons 50891..51025, 50911..51018, 51021..51119, 51022..51099, 51029..51115, 51132..51458, 51138..51443, 51146..51457

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342

Name	OJ991215_09.0118.C1.o7.np	Method	AAT/NAP
Start	52591	End	55342
GI	6665556	Score	414
Exons	52591..52754, 53819..53922, 53997..54066, 54162..54205, 54315..54419, 54496..54617, 55084..55165, 55237..55342		
GI Descrip.	(AC013289) putative chromomethylase [Arabidopsis thaliana]		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o12.gs	Method	GENSCAN
Start	52601	End	54652
GI	none	Score	.71
Exons	52601..52780, 53273..53455, 53997..54066, 54162..54205, 54315..54419, 54496..54652		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o8.ts	Method	TBLASTX:Soybean
Start	52700	End	54068
GI	none	Score	72
Exons	52700..52756, 52701..52757, 53806..53925, 53807..53911, 53815..53925, 53982..54062, 53991..54068		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o6.gp	Method	AAT/GAP
Start	54981	End	55342
GI	uC-osf1cyp073c06b1	Score	436
Exons	54981..55342		
GI Descrip.	'2832630/emb|CAA16759.1| 2.0e-20 (AL021711) putative protein [Arabidopsis thaliana]'		

Seq. No.	26328	Seq. ID	OJ991215_09.0118.C1
Gene No.	54601	Strand	-
Start	52601	End	55342
Name	OJ991215_09.0118.C1.o5.gp	Method	AAT/GAP
Start	55078	End	55342
GI	uC-osf1cyp073c06b1	Score	438
Exons	55078..55342		
GI Descrip.	'2832630/emb|CAA16759.1| 2.0e-20 (AL021711) putative protein [Arabidopsis thaliana]'		

Seq. No.	26329	Seq. ID	OJ991215_09.0118.C2
Gene No.	54602	Strand	-
Start	1	End	253
Name	OJ991215_09.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	253
GI	2832630	Score	256
Exons	1..253		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	26329	Seq. ID	OJ991215_09.0118.C2
Gene No.	54603	Strand	-
Start	157	End	780

Name	OJ991215_09.0118.C2.o1.tc	Method	TBLASTX:Cress
Start	2	End	211
GI	none	Score	113
Exons	2..211, 2..208		

Seq. No.	26329	Seq. ID	OJ991215_09.0118.C2
Gene No.	54603	Strand	-
Start	157	End	780
Name	OJ991215_09.0118.C2.o1.tm	Method	TBLASTX:Maize
Start	2	End	243
GI	none	Score	194
Exons	2..208, 12..209, 16..243, 28..243		

Seq. No.	26329	Seq. ID	OJ991215_09.0118.C2
Gene No.	54603	Strand	-
Start	157	End	780
Name	OJ991215_09.0118.C2.o1.gs	Method	GENSCAN
Start	157	End	780
GI	none	Score	.49
Exons	157..244, 640..780		

Seq. No.	26330	Seq. ID	OJ991215_09.0118.C3
Gene No.	54604	Strand	+
Start	239	End	394
Name	OJ991215_09.0118.C3.o1.gs	Method	GENSCAN
Start	239	End	394
GI	none	Score	.74
Exons	239..394		

Seq. No.	26330	Seq. ID	OJ991215_09.0118.C3
Gene No.	54605	Strand	-
Start	1	End	764
Name	OJ991215_09.0118.C3.o1.np	Method	AAT/NAP
Start	1	End	764
GI	2766715	Score	64
Exons	1..23, 549..625, 706..764		
GI Descrip.	(AF039365) chromomethylase [Arabidopsis arenosa] gi|2865435 (AF039375) chromomethylase [Arabidopsis arenosa]		

Seq. No.	26331	Seq. ID	OJ991215_09.0118.C4
Gene No.	54606	Strand	+
Start	9597	End	16632
Name	OJ991215_09.0118.C4.o2.gs	Method	GENSCAN
Start	9597	End	16632
GI	none	Score	.49
Exons	9597..10360, 10629..11082, 11096..11201, 11263..11491, 12474..12501, 12936..13031, 13187..13259, 15039..15133, 16585..16632		

Seq. No.	26331	Seq. ID	OJ991215_09.0118.C4
Gene No.	54606	Strand	+
Start	9597	End	16632
Name	OJ991215_09.0118.C4.o2.np	Method	AAT/NAP
Start	9792	End	15993
GI	5441880	Score	1037
Exons	9792..9842, 9870..10825, 11263..11307, 11572..11885, 12386..12568, 12715..12954, 15972..15993		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	26331	Seq. ID	OJ991215_09.0118.C4
Gene No.	54607	Strand	+
Start	18387	End	20946
Name	OJ991215_09.0118.C4.o3.gs	Method	GENSCAN
Start	18387	End	20946
GI	none	Score	.77
Exons	18387..19020, 19110..19919, 19948..20415, 20632..20808, 20843..20946		

Seq. No.	26331	Seq. ID	OJ991215_09.0118.C4
Gene No.	54607	Strand	+
Start	18387	End	20946
Name	OJ991215_09.0118.C4.o3.np	Method	AAT/NAP
Start	19330	End	20358
GI	5922636	Score	439
Exons	19330..19403, 19682..19919, 20211..20358		

GI Descrip. (AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	26331	Seq. ID	OJ991215_09.0118.C4
Gene No.	54608	Strand	+
Start	22195	End	22452
Name	OJ991215_09.0118.C4.o2.gp	Method	AAT/GAP
Start	22195	End	22452
GI	2442314	Score	409
Exons	22195..22452		

Seq. No.	26331	Seq. ID	OJ991215_09.0118.C4
Gene No.	54609	Strand	-
Start	1	End	4189
Name	OJ991215_09.0118.C4.o1.np	Method	AAT/NAP
Start	1	End	4189
GI	2832630	Score	125
Exons	1..78, 303..436, 537..668, 4125..4189		

GI Descrip. (AL021711) putative protein [Arabidopsis thaliana]

Seq. No.	26331	Seq. ID	OJ991215_09.0118.C4
Gene No.	54610	Strand	-
Start	4362	End	4777
Name	OJ991215_09.0118.C4.o1.gp	Method	AAT/GAP
Start	4362	End	4777
GI	none	Score	771
Exons	4362..4777		

Seq. No.	26331	Seq. ID	OJ991215_09.0118.C4
Gene No.	54611	Strand	-
Start	21762	End	22381
Name	OJ991215_09.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	10381	End	10848
GI	none	Score	337

Exons	10381..10848, 10386..10499, 10557..10757, 10612..10848		
Seq. No.	26331	Seq. ID	OJ991215_09.0118.C4
Gene No.	54611	Strand	-
Start	21762	End	22381
Name	OJ991215_09.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	10687	End	11079
GI	none	Score	177
Exons	10687..10866, 10856..11023, 10878..10982, 10879..11079		
Seq. No.	26331	Seq. ID	OJ991215_09.0118.C4
Gene No.	54611	Strand	-
Start	21762	End	22381
Name	OJ991215_09.0118.C4.o4.gs	Method	GENSCAN
Start	21762	End	22381
GI	none	Score	.52
Exons	21762..21778, 22333..22381		
Seq. No.	26332	Seq. ID	OJ991215_09.0118.C5
Gene No.	54612	Strand	+
Start	1	End	717
Name	OJ991215_09.0118.C5.o1.np	Method	AAT/NAP
Start	1	End	717
GI	5091513	Score	950
Exons	1..717		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	26332	Seq. ID	OJ991215_09.0118.C5
Gene No.	54612	Strand	+
Start	1	End	717
Name	OJ991215_09.0118.C5.o1.gs	Method	GENSCAN
Start	56	End	651
GI	none	Score	.9
Exons	56..651		
Seq. No.	26333	Seq. ID	OJ991215_09.0118.C6
Gene No.	54613	Strand	+
Start	1	End	675
Name	OJ991215_09.0118.C6.o1.np	Method	AAT/NAP
Start	1	End	675
GI	5091513	Score	1101
Exons	1..675		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	26333	Seq. ID	OJ991215_09.0118.C6
Gene No.	54613	Strand	+
Start	1	End	675
Name	OJ991215_09.0118.C6.o1.gs	Method	GENSCAN
Start	66	End	660
GI	none	Score	.61
Exons	66..660		
Seq. No.	26334	Seq. ID	OJ991215_09.0118.C7
Gene No.	54614	Strand	+
Start	1	End	634
Name	OJ991215_09.0118.C7.o1.np	Method	AAT/NAP
Start	1	End	634

GI	5091513	Score	791
Exons	1..634		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	26334	Seq. ID	OJ991215_09.0118.C7
Gene No.	54614	Strand	+
Start	1	End	634
Name	OJ991215_09.0118.C7.o1.gs	Method	GENSCAN
Start	73	End	611
GI	none	Score	.78
Exons	73..611		

Seq. No.	26335	Seq. ID	OJ991215_09.0118.C8
Gene No.	54615	Strand	-
Start	1	End	434
Name	OJ991215_09.0118.C8.o1.np	Method	AAT/NAP
Start	1	End	434
GI	5091513	Score	712
Exons	1..434		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	26335	Seq. ID	OJ991215_09.0118.C8
Gene No.	54615	Strand	-
Start	1	End	434
Name	OJ991215_09.0118.C8.o1.gs	Method	GENSCAN
Start	19	End	344
GI	none	Score	.61
Exons	19..240, 284..344		

Seq. No.	26336	Seq. ID	OJ991215_05.0119.C1
Gene No.	54616	Strand	+
Start	238	End	292
Name	OJ991215_05.0119.C1.o1.gs	Method	GENSCAN
Start	238	End	292
GI	none	Score	.78
Exons	238..292		

Seq. No.	26337	Seq. ID	OJ991215_05.0119.C2
Gene No.	54617	Strand	+
Start	300	End	397
Name	OJ991215_05.0119.C2.o1.gs	Method	GENSCAN
Start	300	End	397
GI	none	Score	.91
Exons	300..397		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54618	Strand	+
Start	3513	End	3686
Name	OJ991215_05.0119.C3.o1.gs	Method	GENSCAN
Start	3513	End	3686
GI	none	Score	.91
Exons	3513..3686		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54619	Strand	+
Start	3753	End	4060
Name	OJ991215_05.0119.C3.o1.gp	Method	AAT/GAP

Start	3753	End	4060
GI	5816559	Score	482
Exons	3753..4060		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54620	Strand	+
Start	5126	End	8067
Name	OJ991215_05.0119.C3.o1.np	Method	AAT/NAP
Start	5126	End	8064
GI	6691716	Score	2312
Exons	5126..6010, 6208..6383, 6466..6733, 6910..7104, 7180..7283, 7434..7546, 7619..8064		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54620	Strand	+
Start	5126	End	8067
Name	OJ991215_05.0119.C3.o2.gs	Method	GENSCAN
Start	5126	End	8067
GI	none	Score	.92
Exons	5126..6010, 6208..6383, 6466..6797, 6917..7104, 7180..7369, 7442..7546, 7619..8067		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54621	Strand	+
Start	14608	End	14915
Name	OJ991215_05.0119.C3.o2.gp	Method	AAT/GAP
Start	14608	End	14915
GI	5816559	Score	482
Exons	14608..14915		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54622	Strand	+
Start	16587	End	17558
Name	OJ991215_05.0119.C3.o4.gs	Method	GENSCAN
Start	16587	End	17558
GI	none	Score	.96
Exons	16587..16595, 16737..17558		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54623	Strand	+
Start	19850	End	25245
Name	OJ991215_05.0119.C3.o3.np	Method	AAT/NAP
Start	19777	End	20977
GI	4204759	Score	541
Exons	19777..20050, 20231..20977		
GI Descrip.	(U51191) peroxidase precursor [Glycine max]		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3

Gene No.	54623	Strand	+
Start	19850	End	25245
Name	OJ991215_05.0119.C3.o5.gs	Method	GENSCAN
Start	19850	End	25230
GI	none	Score	.43
Exons	19850..20050, 20231..20947, 21334..21485, 24128..24150, 24306..24467, 24506..25230		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54623	Strand	+
Start	19850	End	25245
Name	OJ991215_05.0119.C3.o5.np	Method	AAT/NAP
Start	20981	End	25245
GI	5231113	Score	641
Exons	20981..21066, 22470..22562, 22684..22797, 22896..23099, 23968..24150, 24269..25050, 25099..25245		
GI Descrip.	(AF141202) EIN2 [Arabidopsis thaliana] gi|5231115|gb|AAD41077.1|AF141203_1 (AF141203) EIN2 [Arabidopsis thaliana]		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54623	Strand	+
Start	19850	End	25245
Name	OJ991215_05.0119.C3.o3.gp	Method	AAT/GAP
Start	24265	End	24880
GI	25846_2.R1084	Score	1180
Exons	24265..24880		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54624	Strand	-
Start	8384	End	15024
Name	OJ991215_05.0119.C3.o3.gs	Method	GENSCAN
Start	8384	End	15024
GI	none	Score	.68
Exons	8384..11545, 11681..14483, 14921..15024		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54624	Strand	-
Start	8384	End	15024
Name	OJ991215_05.0119.C3.o2.np	Method	AAT/NAP
Start	8420	End	14479
GI	5922631	Score	6672
Exons	8420..10947, 11554..12477, 12604..12752, 12795..13366, 13412..13581, 13825..14096, 14355..14479		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420

Name	OJ991215_05.0119.C3.o9.tw	Method	TBLASTX:Wheat
Start	3588	End	20632
GI	none	Score	57
Exons	3588..3662, 16719..16781, 16806..16928, 16814..16921, 16923..17174, 19898..20047, 20225..20272, 20281..20502, 20282..20458, 20519..20632, 20519..20617		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o1.tm	Method	TBLASTX:Maize
Start	3597	End	20974
GI	none	Score	100
Exons	3597..3683, 16719..17033, 16736..16987, 17013..17216, 17039..17215, 17219..17308, 17220..17315, 17322..17546, 17378..17566, 19907..20047, 20225..20293, 20230..20316, 20294..20410, 20326..20400, 20365..20466, 20510..20629, 20530..20625, 20846..20974		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o10.tw	Method	TBLASTX:Wheat
Start	5246	End	5536
GI	none	Score	216
Exons	5246..5536		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o6.tw	Method	TBLASTX:Wheat
Start	8396	End	9010
GI	none	Score	62
Exons	8396..8533, 8400..8522, 8519..8677, 8732..9010, 8748..8849, 8901..8990		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o6.tm	Method	TBLASTX:Maize
Start	8435	End	8668
GI	none	Score	102
Exons	8435..8536, 8436..8537, 8516..8668, 8517..8567		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o9.tm	Method	TBLASTX:Maize
Start	8780	End	9053
GI	none	Score	57
Exons	8780..8866, 8876..8959, 8877..8963, 8954..9052, 8955..9053		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o3.tw	Method	TBLASTX:Wheat
Start	9125	End	9512

GI	none	Score	109
Exons	9125..9310, 9125..9511, 9201..9512		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o2.tm	Method	TBLASTX:Maize
Start	9155	End	9518
GI	none	Score	67
Exons	9155..9202, 9156..9203, 9194..9517, 9207..9518		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o11.tw	Method	TBLASTX:Wheat
Start	9515	End	9814
GI	none	Score	135
Exons	9515..9655, 9680..9814		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o4.tw	Method	TBLASTX:Wheat
Start	9830	End	10252
GI	none	Score	267
Exons	9830..10252, 9840..10244		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o3.ts	Method	TBLASTX:Soybean
Start	9873	End	10261
GI	none	Score	162
Exons	9873..10253, 9875..10117, 10157..10261		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o8.tm	Method	TBLASTX:Maize
Start	9926	End	10199
GI	none	Score	60
Exons	9926..10024, 9927..9992, 10028..10198, 10029..10199		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o5.tw	Method	TBLASTX:Wheat
Start	10289	End	10718
GI	none	Score	39
Exons	10289..10717, 10366..10470, 10446..10718		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o4.tm	Method	TBLASTX:Maize
Start	10376	End	10820
GI	none	Score	87

Exons	10376..10402, 10412..10543, 10413..10544, 10565..10795, 10565..10819, 10566..10820		
Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o2.ts	Method	TBLASTX:Soybean
Start	10487	End	10888
GI	none	Score	58
Exons	10487..10888, 10521..10691, 10728..10871		
Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o2.tw	Method	TBLASTX:Wheat
Start	10763	End	11182
GI	none	Score	235
Exons	10763..11182, 10764..11180		
Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o5.tm	Method	TBLASTX:Maize
Start	11051	End	11407
GI	none	Score	85
Exons	11051..11344, 11051..11407, 11061..11366		
Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o4.ts	Method	TBLASTX:Soybean
Start	11132	End	11497
GI	none	Score	138
Exons	11132..11266, 11273..11497		
Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o8.tw	Method	TBLASTX:Wheat
Start	11182	End	11416
GI	none	Score	119
Exons	11182..11346, 11183..11395, 11183..11416, 11184..11396		
Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o1.tw	Method	TBLASTX:Wheat
Start	11417	End	12214
GI	none	Score	119
Exons	11417..11710, 11421..11645, 11750..11983, 11757..11993, 11759..11989, 12038..12151, 12038..12214		
Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o7.tw	Method	TBLASTX:Wheat
Start	12788	End	13190

GI	none	Score	117
Exons	12788..13189, 12921..13190		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o1.tc	Method	TBLASTX:Cress
Start	16719	End	21074
GI	none	Score	185
Exons	16719..16919, 16736..16921, 16923..17150, 19856..20047, 20225..20299, 20294..20458, 20305..20625, 20522..20632, 20720..20974, 20982..21074		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o1.ts	Method	TBLASTX:Soybean
Start	16719	End	20992
GI	none	Score	48
Exons	16719..16769, 16787..16921, 16788..16916, 16923..17150, 16934..16987, 19883..20047, 19942..20049, 20225..20263, 20294..20458, 20305..20625, 20534..20632, 20687..20992, 20794..20979		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54625	Strand	-
Start	20677	End	21420
Name	OJ991215_05.0119.C3.o4.np	Method	AAT/NAP
Start	20677	End	21420
GI	6630686	Score	68
Exons	20677..20763, 21314..21420		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54626	Strand	
Start	23977	End	24405
Name	OJ991215_05.0119.C3.o3.tm	Method	TBLASTX:Maize
Start	23977	End	24405
GI	none	Score	252
Exons	23977..24153, 23979..24146, 24001..24150, 24266..24403, 24268..24405		

Seq. No.	26338	Seq. ID	OJ991215_05.0119.C3
Gene No.	54627	Strand	
Start	24621	End	24897
Name	OJ991215_05.0119.C3.o7.tm	Method	TBLASTX:Maize
Start	24621	End	24897
GI	none	Score	68
Exons	24621..24671, 24622..24669, 24623..24676, 24625..24828, 24679..24828, 24681..24830, 24723..24830, 24835..24897, 24840..24893		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54628	Strand	+
Start	1	End	5455
Name	OJ991215_05.0119.C4.o1.np	Method	AAT/NAP
Start	1	End	2079

GI	5231113	Score	1001
Exons	1..1567, 1710..2079		
GI Descrip.	(AF141202) EIN2 [Arabidopsis thaliana] gi|5231115|gb|AAD41077.1|AF141203_1 (AF141203) EIN2 [Arabidopsis thaliana]		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54628	Strand	+
Start	1	End	5455
Name	OJ991215_05.0119.C4.o1.gs	Method	GENSCAN
Start	72	End	5014
GI	none	Score	.74
Exons	72..1567, 1710..1982, 3496..3712, 4416..4534, 4796..5014		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54628	Strand	+
Start	1	End	5455
Name	OJ991215_05.0119.C4.o2.gp	Method	AAT/GAP
Start	1135	End	2012
GI	18665_1.R1084	Score	1430
Exons	1135..1567, 1710..2012		
GI Descrip.	'5231113/gb|AAD41076.1|AF141202_1 2.0e-68 (AF141202) EIN2 [Arabidopsis thaliana] >gi_5231115_gb_AAD41077.1_AF141203_1 (AF141203) EIN2 [Arabidopsis thaliana]'		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54628	Strand	+
Start	1	End	5455
Name	OJ991215_05.0119.C4.o3.np	Method	AAT/NAP
Start	4111	End	5455
GI	6630699	Score	70
Exons	4111..4131, 5351..5455		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54629	Strand	+
Start	7902	End	9246
Name	OJ991215_05.0119.C4.o5.np	Method	AAT/NAP
Start	7902	End	9246
GI	6630699	Score	74
Exons	7902..7924, 9169..9246		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54630	Strand	+
Start	14149	End	14265
Name	OJ991215_05.0119.C4.o8.np	Method	AAT/NAP
Start	14149	End	14265
GI	5777617	Score	73
Exons	14149..14265		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4

Gene No.	54631	Strand	-
Start	34	End	287
Name	OJ991215_05.0119.C4.o1.gp	Method	AAT/GAP
Start	34	End	287
GI	6025049	Score	397
Exons	34..287		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54632	Strand	-
Start	2143	End	2462
Name	OJ991215_05.0119.C4.o3.gp	Method	AAT/GAP
Start	2143	End	2462
GI	uC-osflcyp079h08a1	Score	543
Exons	2143..2462		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54633	Strand	-
Start	5591	End	9108
Name	OJ991215_05.0119.C4.o2.gs	Method	GENSCAN
Start	5591	End	5887
GI	none	Score	1
Exons	5591..5887		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54633	Strand	-
Start	5591	End	9108
Name	OJ991215_05.0119.C4.o4.np	Method	AAT/NAP
Start	5594	End	9108
GI	5922620	Score	976
Exons	5594..5724, 7137..7221, 7258..7434, 7695..7857, 8176..8209, 8847..8871, 8917..9030, 9070..9108		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54634	Strand	-
Start	9382	End	17983
Name	OJ991215_05.0119.C4.o3.tm	Method	TBLASTX:Maize
Start	161	End	452
GI	none	Score	265
Exons	161..397, 163..444, 164..451, 165..452		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54634	Strand	-
Start	9382	End	17983
Name	OJ991215_05.0119.C4.o1.ts	Method	TBLASTX:Soybean
Start	506	End	2018
GI	none	Score	84
Exons	506..574, 716..835, 753..869, 904..1032, 905..1096, 1063..1110, 1195..1281, 1196..1336, 1259..1312, 1418..1567, 1698..1769, 1698..1775, 1835..1996, 1844..2017, 1845..2018		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54634	Strand	-
Start	9382	End	17983
Name	OJ991215_05.0119.C4.o1.tm	Method	TBLASTX:Maize
Start	577	End	1096
GI	none	Score	255
Exons	577..891, 577..891, 578..892, 847..1095, 893..1096, 893..1096		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54634	Strand	-
Start	9382	End	17983
Name	OJ991215_05.0119.C4.o5.tm	Method	TBLASTX:Maize
Start	1097	End	1264
GI	none	Score	218
Exons	1097..1264, 1099..1263		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54634	Strand	-
Start	9382	End	17983
Name	OJ991215_05.0119.C4.o2.tm	Method	TBLASTX:Maize
Start	1393	End	1859
GI	none	Score	297
Exons	1393..1545, 1394..1567, 1400..1567, 1471..1575, 1479..1571, 1698..1859, 1707..1808		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54634	Strand	-
Start	9382	End	17983
Name	OJ991215_05.0119.C4.o1.tc	Method	TBLASTX:Cress
Start	1845	End	2018
GI	none	Score	225
Exons	1845..2018, 1847..2017		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54634	Strand	-
Start	9382	End	17983
Name	OJ991215_05.0119.C4.o4.tm	Method	TBLASTX:Maize
Start	4823	End	5022
GI	none	Score	237
Exons	4823..5002, 4828..5022		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54634	Strand	-
Start	9382	End	17983
Name	OJ991215_05.0119.C4.o4.gs	Method	GENSCAN
Start	9382	End	17983
GI	none	Score	.42
Exons	9382..9496, 12160..12322, 12365..12501, 13975..14110, 14421..14506, 14849..14973, 15647..15738, 16192..16228, 17951..17983		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54634	Strand	-
Start	9382	End	17983
Name	OJ991215_05.0119.C4.o6.np	Method	AAT/NAP
Start	9385	End	11155

GI	5922620	Score	165
Exons	9385..9519, 11107..11155		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26339	Seq. ID	OJ991215_05.0119.C4
Gene No.	54634	Strand	-
Start	9382	End	17983
Name	OJ991215_05.0119.C4.o7.np	Method	AAT/NAP
Start	12968	End	17663
GI	6069646	Score	335
Exons	12968..13423, 17594..17663		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26340	Seq. ID	OJ991215_05.0119.C5
Gene No.	54635	Strand	+
Start	46	End	353
Name	OJ991215_05.0119.C5.o1.gs	Method	GENSCAN
Start	46	End	353
GI	none	Score	.62
Exons	46..353		

Seq. No.	26340	Seq. ID	OJ991215_05.0119.C5
Gene No.	54636	Strand	-
Start	1	End	701
Name	OJ991215_05.0119.C5.o1.np	Method	AAT/NAP
Start	1	End	701
GI	6069646	Score	289
Exons	1..365, 669..701		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26341	Seq. ID	OJ991215_05.0119.C6
Gene No.	54637	Strand	+
Start	348	End	977
Name	OJ991215_05.0119.C6.o1.np	Method	AAT/NAP
Start	348	End	977
GI	5777629	Score	102
Exons	348..598, 951..977		
GI Descrip.	(AJ245900) CAA303717.1 protein [Oryza sativa]		

Seq. No.	26341	Seq. ID	OJ991215_05.0119.C6
Gene No.	54637	Strand	+
Start	348	End	977
Name	OJ991215_05.0119.C6.o1.gs	Method	GENSCAN
Start	360	End	584
GI	none	Score	.93

Exons	360..584		
Seq. No.	26342	Seq. ID	OJ991215_07.0114.C1
Gene No.	54638	Strand	+
Start	145	End	785
Name	OJ991215_07.0114.C1.o1.np	Method	AAT/NAP
Start	145	End	785
GI	6721559	Score	464
Exons	145..618, 647..785		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	26342	Seq. ID	OJ991215_07.0114.C1
Gene No.	54639	Strand	-
Start	91	End	1437
Name	OJ991215_07.0114.C1.o1.gs	Method	GENSCAN
Start	91	End	1437
GI	none	Score	.45
Exons	91..333, 508..629, 1133..1258, 1399..1437		
Seq. No.	26343	Seq. ID	OJ991215_07.0114.C2
Gene No.	54640	Strand	-
Start	1495	End	2356
Name	OJ991215_07.0114.C2.o1.gs	Method	GENSCAN
Start	1495	End	2356
GI	none	Score	.72
Exons	1495..1689, 1782..2014, 2263..2356		
Seq. No.	26344	Seq. ID	OJ991215_07.0114.C4
Gene No.	54641	Strand	+
Start	1	End	3499
Name	OJ991215_07.0114.C4.o2.np	Method	AAT/NAP
Start	1	End	3499
GI	6498441	Score	338
Exons	1..88, 388..819, 3479..3499		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	26344	Seq. ID	OJ991215_07.0114.C4
Gene No.	54642	Strand	-
Start	1	End	2233
Name	OJ991215_07.0114.C4.o1.np	Method	AAT/NAP
Start	1	End	2130
GI	6498436	Score	265
Exons	1..369, 2101..2130		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	26344	Seq. ID	OJ991215_07.0114.C4
Gene No.	54642	Strand	-
Start	1	End	2233
Name	OJ991215_07.0114.C4.o3.np	Method	AAT/NAP
Start	1	End	2233
GI	6907089	Score	1113
Exons	1..40, 957..1203, 1231..2233		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	26344	Seq. ID	OJ991215_07.0114.C4
Gene No.	54642	Strand	-
Start	1	End	2233
Name	OJ991215_07.0114.C4.o1.gs	Method	GENSCAN
Start	108	End	2224
GI	none	Score	.92
Exons	108..369, 775..934, 957..2224		

Seq. No.	26344	Seq. ID	OJ991215_07.0114.C4
Gene No.	54643	Strand	-
Start	3139	End	3667
Name	OJ991215_07.0114.C4.o4.np	Method	AAT/NAP
Start	3139	End	3667
GI	6539585	Score	103
Exons	3139..3203, 3488..3667		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	26344	Seq. ID	OJ991215_07.0114.C4
Gene No.	54644	Strand	-
Start	6111	End	8392
Name	OJ991215_07.0114.C4.o1.tw	Method	TBLASTX:Wheat
Start	547	End	855
GI	none	Score	237
Exons	547..855, 622..762, 639..839		

Seq. No.	26344	Seq. ID	OJ991215_07.0114.C4
Gene No.	54644	Strand	-
Start	6111	End	8392
Name	OJ991215_07.0114.C4.o2.tm	Method	TBLASTX:Maize
Start	5531	End	6037
GI	none	Score	104
Exons	5531..5761, 5531..5794, 5575..5772, 5777..5920, 5821..5964, 5830..6015, 5963..6037		

Seq. No.	26344	Seq. ID	OJ991215_07.0114.C4
Gene No.	54644	Strand	-
Start	6111	End	8392
Name	OJ991215_07.0114.C4.o5.np	Method	AAT/NAP
Start	6111	End	8392
GI	6453893	Score	207
Exons	6111..6322, 7667..7765, 7850..8202, 8371..8392		
GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26344	Seq. ID	OJ991215_07.0114.C4
Gene No.	54644	Strand	-
Start	6111	End	8392
Name	OJ991215_07.0114.C4.o1.tm	Method	TBLASTX:Maize
Start	7867	End	8231
GI	none	Score	52
Exons	7867..7896, 7868..7897, 7943..8200, 7954..8205, 7966..8202, 7986..8231		

Seq. No.	26345	Seq. ID	OJ991215_07.0114.C5
Gene No.	54645	Strand	+
Start	5834	End	9987
Name	OJ991215_07.0114.C5.o2.np	Method	AAT/NAP

Start	5834	End	9987
GI	6815052	Score	392
Exons	5834..5867, 9286..9454, 9530..9597, 9866..9987		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	26345	Seq. ID	OJ991215_07.0114.C5
Gene No.	54646	Strand	+
Start	9912	End	12823
Name	OJ991215_07.0114.C5.o3.np	Method	AAT/NAP
Start	9912	End	12823
GI	5852175	Score	49
Exons	9912..9963, 10444..10611, 11095..11148, 11712..11819, 12771..12823		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	26345	Seq. ID	OJ991215_07.0114.C5
Gene No.	54647	Strand	-
Start	1	End	7919
Name	OJ991215_07.0114.C5.o1.np	Method	AAT/NAP
Start	1	End	7919
GI	6453893	Score	112
Exons	1..44, 1985..2104, 2193..2314, 7688..7772, 7842..7919		
GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26345	Seq. ID	OJ991215_07.0114.C5
Gene No.	54647	Strand	-
Start	1	End	7919
Name	OJ991215_07.0114.C5.o2.tm	Method	TBLASTX:Maize
Start	2185	End	2327
GI	none	Score	185
Exons	2185..2316, 2191..2313, 2195..2317, 2196..2327		

Seq. No.	26345	Seq. ID	OJ991215_07.0114.C5
Gene No.	54647	Strand	-
Start	1	End	7919
Name	OJ991215_07.0114.C5.o1.tm	Method	TBLASTX:Maize
Start	6314	End	6630
GI	none	Score	55
Exons	6314..6349, 6439..6630, 6453..6629		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54648	Strand	+
Start	19	End	12660
Name	OJ991215_07.0114.C6.o1.np	Method	AAT/NAP
Start	19	End	825
GI	4512231	Score	1098
Exons	19..825		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54648	Strand	+
Start	19	End	12660
Name	OJ991215_07.0114.C6.o1.gs	Method	GENSCAN
Start	93	End	3373
GI	none	Score	.41
Exons	93..746, 1103..1449, 1474..1844, 1881..3373		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54648	Strand	+
Start	19	End	12660
Name	OJ991215_07.0114.C6.o2.np	Method	AAT/NAP
Start	548	End	8265
GI	6721517	Score	2930
Exons	548..653, 1155..1272, 1352..2065, 2141..3899, 7960..8265		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54648	Strand	+
Start	19	End	12660
Name	OJ991215_07.0114.C6.o2.gs	Method	GENSCAN
Start	5112	End	12660
GI	none	Score	.73
Exons	5112..5188, 5318..5507, 5806..5918, 6113..6134, 7020..7095, 8939..9062, 9155..9230, 9415..9532, 10996..11102, 11734..12660		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54648	Strand	+
Start	19	End	12660
Name	OJ991215_07.0114.C6.o1.gp	Method	AAT/GAP
Start	7104	End	7474
GI	3106852	Score	599
Exons	7104..7474		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 1.0e-25 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54648	Strand	+
Start	19	End	12660
Name	OJ991215_07.0114.C6.o2.gp	Method	AAT/GAP
Start	7573	End	7938
GI	2309880	Score	655
Exons	7573..7938		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54648	Strand	+
Start	19	End	12660
Name	OJ991215_07.0114.C6.o3.np	Method	AAT/NAP
Start	11800	End	12657
GI	5042448	Score	1376
Exons	11800..12657		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54649	Strand	+
Start	12911	End	22005
Name	OJ991215_07.0114.C6.o3.gs	Method	GENSCAN
Start	12911	End	22005
GI	none	Score	.61
Exons	12911..13045, 13067..13798, 13808..14108, 14346..14581, 14617..14913, 14953..15596, 15609..16163, 16223..16455, 16499..16935, 18305..18417, 18510..18841, 19141..19209,		

20308..20414, 21211..22005

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54649	Strand	+
Start	12911	End	22005
Name	OJ991215_07.0114.C6.o4.np	Method	AAT/NAP
Start	12911	End	17472
GI	4680179	Score	7412
Exons	12911..17472		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54649	Strand	+
Start	12911	End	22005
Name	OJ991215_07.0114.C6.o7.np	Method	AAT/NAP
Start	20549	End	21744
GI	2995405	Score	1233
Exons	20549..21744		
GI Descrip.	(Y12432) polyprotein [Ananas comosus]		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54649	Strand	+
Start	12911	End	22005
Name	OJ991215_07.0114.C6.o6.np	Method	AAT/NAP
Start	20561	End	21214
GI	4140712	Score	780
Exons	20561..21214		
GI Descrip.	(AF110183) putative integrase [Oryza sativa]		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54650	Strand	+
Start	22507	End	24295
Name	OJ991215_07.0114.C6.o4.gs	Method	GENSCAN
Start	22507	End	23605
GI	none	Score	.78
Exons	22507..22733, 22738..22990, 23489..23605		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54650	Strand	+
Start	22507	End	24295
Name	OJ991215_07.0114.C6.o8.np	Method	AAT/NAP
Start	22761	End	24295
GI	6063554	Score	189
Exons	22761..22987, 24119..24295		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54651	Strand	+
Start	25250	End	35491
Name	OJ991215_07.0114.C6.o5.gs	Method	GENSCAN
Start	25250	End	35491
GI	none	Score	.52
Exons	25250..25331, 26626..26898, 26915..27181, 27640..27885, 28410..28824, 28942..29070, 30980..31066, 32611..32710, 33342..33510, 35063..35232, 35384..35491		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54652	Strand	+
Start	38321	End	38724
Name	OJ991215_07.0114.C6.o10.np	Method	AAT/NAP
Start	38321	End	38724
GI	2462640	Score	503
Exons	38321..38724		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o7.tw	Method	TBLASTX:Wheat
Start	1274	End	13537
GI	none	Score	273
Exons	1274..1633, 1279..1377, 1346..1507, 1432..1623, 13174..13278, 13178..13537, 13336..13536		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o6.tm	Method	TBLASTX:Maize
Start	1514	End	13714
GI	none	Score	232
Exons	1514..1852, 13418..13714, 13418..13702, 13435..13605		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o10.tw	Method	TBLASTX:Wheat
Start	1634	End	13780
GI	none	Score	189
Exons	1634..1858, 13537..13626, 13538..13714, 13685..13780		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o8.tw	Method	TBLASTX:Wheat
Start	2147	End	14473
GI	none	Score	121
Exons	2147..2338, 2182..2286, 2402..2521, 2404..2520, 14057..14263, 14107..14205, 14288..14473, 14308..14472		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o4.tw	Method	TBLASTX:Wheat
Start	2684	End	15117
GI	none	Score	527
Exons	2684..3166, 2788..3123, 2795..3163, 14635..15117, 14739..15113		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o5.tm	Method	TBLASTX:Maize
Start	2693	End	14934

GI	none	Score	327
Exons	2693..2983, 2800..2985, 14647..14934, 14745..14933		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o4.ts	Method	TBLASTX:Soybean
Start	2720	End	14985
GI	none	Score	190
Exons	2720..3031, 14671..14985		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o4.tm	Method	TBLASTX:Maize
Start	3053	End	15504
GI	none	Score	116
Exons	3053..3190, 3251..3553, 3313..3351, 3379..3423, 15004..15183, 15169..15504, 15255..15386, 15411..15488		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o1.ts	Method	TBLASTX:Soybean
Start	3107	End	15453
GI	none	Score	57
Exons	3107..3139, 3107..3139, 3143..3196, 3145..3186, 3251..3502, 3259..3492, 15058..15090, 15058..15102, 15094..15453, 15189..15452		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o5.tw	Method	TBLASTX:Wheat
Start	3215	End	15435
GI	none	Score	301
Exons	3215..3307, 3253..3483, 3254..3484, 3386..3484, 15166..15435, 15167..15247, 15186..15434		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o2.tw	Method	TBLASTX:Wheat
Start	3487	End	15854
GI	none	Score	560
Exons	3487..3858, 3488..3898, 3566..3895, 15438..15812, 15439..15852, 15489..15854, 15514..15852, 15608..15853		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o3.ts	Method	TBLASTX:Soybean
Start	3524	End	15720
GI	none	Score	206
Exons	3524..3772, 3550..3654, 3709..3753, 15475..15720		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6

Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o2.tm	Method	TBLASTX:Maize
Start	3590	End	15899
GI	none	Score	402
Exons	3590..3898, 3595..3858, 7956..8003, 15541..15894, 15543..15809, 15595..15882, 15702..15899		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o3.tw	Method	TBLASTX:Wheat
Start	15933	End	20992
GI	none	Score	512
Exons	15933..16160, 15982..16461, 16015..16428, 16206..16460, 20549..20992, 20617..20685, 20737..20988		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o2.ts	Method	TBLASTX:Soybean
Start	16249	End	21040
GI	none	Score	284
Exons	16249..16509, 16254..16508, 20791..21039, 20792..21040, 20792..21040		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o3.tm	Method	TBLASTX:Maize
Start	16308	End	21130
GI	none	Score	374
Exons	16308..16595, 16309..16599, 20838..20942, 20839..21126, 20840..21130		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o1.tw	Method	TBLASTX:Wheat
Start	16468	End	21624
GI	none	Score	716
Exons	16468..17094, 16470..16874, 16612..17049, 16971..17093, 20999..21202, 21055..21198, 21198..21503, 21205..21624, 21205..21582, 21564..21623		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o1.tm	Method	TBLASTX:Maize
Start	16648	End	21762
GI	none	Score	215
Exons	16648..16809, 16650..16802, 16667..16804, 16802..16867, 16806..17108, 16806..16868, 16807..17235, 16974..17234, 21204..21332, 21205..21339, 21336..21500, 21337..21762, 21457..21741, 21564..21761		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6

Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o6.tw	Method	TBLASTX:Wheat
Start	17094	End	21945
GI	none	Score	319
Exons	17094..17165, 17095..17427, 17187..17276, 17373..17426, 21624..21893, 21625..21945		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o5.np	Method	AAT/NAP
Start	19572	End	35250
GI	4680183	Score	188
Exons	19572..19661, 20268..20338, 35187..35250		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54653	Strand	-
Start	19572	End	35250
Name	OJ991215_07.0114.C6.o9.np	Method	AAT/NAP
Start	25229	End	25421
GI	5042463	Score	102
Exons	25229..25421		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54654	Strand	
Start	37330	End	37575
Name	OJ991215_07.0114.C6.o9.tw	Method	TBLASTX:Wheat
Start	37330	End	37575
GI	none	Score	250
Exons	37330..37575, 37383..37574		

Seq. No.	26346	Seq. ID	OJ991215_07.0114.C6
Gene No.	54655	Strand	
Start	38249	End	38667
Name	OJ991215_07.0114.C6.o7.tm	Method	TBLASTX:Maize
Start	38249	End	38667
GI	none	Score	186
Exons	38249..38596, 38593..38667		

Seq. No.	26347	Seq. ID	OJ991215_07.0114.C7
Gene No.	54656	Strand	+
Start	1	End	2972
Name	OJ991215_07.0114.C7.o1.np	Method	AAT/NAP
Start	1	End	2640
GI	4539658	Score	100
Exons	1..131, 418..525, 2600..2640		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	26347	Seq. ID	OJ991215_07.0114.C7
Gene No.	54656	Strand	+
Start	1	End	2972
Name	OJ991215_07.0114.C7.o1.gs	Method	GENSCAN
Start	1952	End	2972

GI	none	Score	.89
Exons	1952..2212, 2251..2463, 2558..2674, 2859..2972		

Seq. No.	26347	Seq. ID	OJ991215_07.0114.C7
Gene No.	54657	Strand	-
Start	1931	End	5706
Name	OJ991215_07.0114.C7.o2.np	Method	AAT/NAP
Start	1931	End	5706
GI	5295955	Score	239
Exons	1931..2936, 3706..3820, 5671..5706		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	26347	Seq. ID	OJ991215_07.0114.C7
Gene No.	54657	Strand	-
Start	1931	End	5706
Name	OJ991215_07.0114.C7.o2.gs	Method	GENSCAN
Start	4205	End	5123
GI	none	Score	.66
Exons	4205..4384, 4917..5123		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54658	Strand	+
Start	1333	End	7323
Name	OJ991215_07.0114.C8.o1.gs	Method	GENSCAN
Start	1333	End	7323
GI	none	Score	.66
Exons	1333..1414, 2196..2691, 2834..3036, 3621..3747, 4080..4177, 4291..5170, 5258..5665, 5855..6020, 6048..6260, 6336..6395, 6464..6577, 6659..6814, 6838..7323		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54658	Strand	+
Start	1333	End	7323
Name	OJ991215_07.0114.C8.o1.np	Method	AAT/NAP
Start	1394	End	2676
GI	5852179	Score	275
Exons	1394..1414, 2241..2441, 2499..2676		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54659	Strand	+
Start	9278	End	16088
Name	OJ991215_07.0114.C8.o2.np	Method	AAT/NAP
Start	9278	End	16088
GI	6815052	Score	2057
Exons	9278..9430, 9512..9587, 9869..9986, 10285..10384, 11251..11343, 12126..12261, 12310..12453, 14939..15532, 15614..15687, 15969..16088		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54660	Strand	-
Start	7754	End	8443
Name	OJ991215_07.0114.C8.o2.gs	Method	GENSCAN
Start	7754	End	8443
GI	none	Score	.61

Exons	7754..8443		
Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o1.ts	Method	TBLASTX:Soybean
Start	7769	End	8014
GI	none	Score	45
Exons	7769..8014, 7773..7802, 7875..8012		
Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o6.tw	Method	TBLASTX:Wheat
Start	7790	End	8197
GI	none	Score	106
Exons	7790..8197, 7824..8189		
Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o3.ts	Method	TBLASTX:Soybean
Start	8357	End	8755
GI	none	Score	74
Exons	8357..8755, 8535..8651		
Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o3.tm	Method	TBLASTX:Maize
Start	8378	End	8758
GI	none	Score	63
Exons	8378..8602, 8600..8758		
Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o4.tw	Method	TBLASTX:Wheat
Start	11577	End	14698
GI	none	Score	313
Exons	11577..12071, 11594..11971, 14050..14229, 14081..14233, 14254..14544, 14630..14698		
Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o5.ts	Method	TBLASTX:Soybean
Start	11580	End	14442
GI	none	Score	79
Exons	11580..11708, 11775..11966, 14068..14253, 14248..14442		
Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o3.np	Method	AAT/NAP
Start	12115	End	19139
GI	6498441	Score	2434

Exons	12115..12148, 16159..16353, 16531..16670, 16853..17223, 17287..17737, 18074..19139		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o2.ts	Method	TBLASTX:Soybean
Start	16238	End	16567
GI	none	Score	72
Exons	16238..16429, 16424..16567, 16455..16553		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o2.tw	Method	TBLASTX:Wheat
Start	16238	End	16645
GI	none	Score	96
Exons	16238..16426, 16239..16397, 16424..16645, 16446..16640		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o2.tm	Method	TBLASTX:Maize
Start	16316	End	16675
GI	none	Score	138
Exons	16316..16426, 16415..16675, 16446..16664		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o4.np	Method	AAT/NAP
Start	16619	End	20013
GI	5042454	Score	1155
Exons	16619..16647, 17569..17682, 18259..19678, 19752..20013		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o1.tm	Method	TBLASTX:Maize
Start	16729	End	17085
GI	none	Score	188
Exons	16729..17085, 16739..17044		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o1.tw	Method	TBLASTX:Wheat
Start	16753	End	17216
GI	none	Score	321
Exons	16753..17214, 16754..17215, 17034..17216		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-

Start	12115	End	20013
Name	OJ991215_07.0114.C8.o4.ts	Method	TBLASTX:Soybean
Start	16810	End	17175
GI	none	Score	117
Exons	16810..16944, 16951..17175		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o4.gs	Method	GENSCAN
Start	17224	End	17932
GI	none	Score	.49
Exons	17224..17808, 17867..17932		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o3.tw	Method	TBLASTX:Wheat
Start	17323	End	17848
GI	none	Score	161
Exons	17323..17814, 17342..17659, 17521..17841, 17681..17848		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o5.gs	Method	GENSCAN
Start	18040	End	19678
GI	none	Score	.87
Exons	18040..18747, 18835..18979, 18984..19678		

Seq. No.	26348	Seq. ID	OJ991215_07.0114.C8
Gene No.	54661	Strand	-
Start	12115	End	20013
Name	OJ991215_07.0114.C8.o5.tw	Method	TBLASTX:Wheat
Start	18598	End	18999
GI	none	Score	88
Exons	18598..18870, 18632..18844, 18838..18936, 18839..18940, 18867..18941, 18943..18999		

Seq. No.	26349	Seq. ID	OJ991215_07.0114.C9
Gene No.	54662	Strand	-
Start	632	End	1399
Name	OJ991215_07.0114.C9.o1.np	Method	AAT/NAP
Start	632	End	1399
GI	4680183	Score	198
Exons	632..721, 1329..1399		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26350	Seq. ID	OJ991215_07.0114.C10
Gene No.	54663	Strand	+
Start	1328	End	2590
Name	OJ991215_07.0114.C10.o1.np	Method	AAT/NAP
Start	1328	End	2590
GI	6523547	Score	384
Exons	1328..2590		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	26350	Seq. ID	OJ991215_07.0114.C10
Gene No.	54664	Strand	-
Start	4145	End	4252
Name	OJ991215_07.0114.C10.o1.gp	Method	AAT/GAP
Start	4145	End	4252
GI	uC-osflcyp088b12b1	Score	155
Exons	4145..4252		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54665	Strand	+
Start	222	End	329
Name	OJ991215_07.0114.C11.o1.gp	Method	AAT/GAP
Start	222	End	329
GI	uC-osflcyp088b12b1	Score	148
Exons	222..329		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54666	Strand	+
Start	3056	End	8554
Name	OJ991215_07.0114.C11.o1.gs	Method	GENSCAN
Start	3056	End	8554
GI	none	Score	.78
Exons	3056..3192, 3600..3718, 4063..4164, 4541..4574, 5444..5568, 6142..6393, 6467..6648, 8016..8122, 8489..8554		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54667	Strand	+
Start	9543	End	15267
Name	OJ991215_07.0114.C11.o2.gs	Method	GENSCAN
Start	9543	End	12961
GI	none	Score	.64
Exons	9543..10367, 10411..10577, 10970..11374, 11467..12961		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54667	Strand	+
Start	9543	End	15267
Name	OJ991215_07.0114.C11.o1.np	Method	AAT/NAP
Start	12726	End	15267
GI	4206306	Score	801
Exons	12726..13250, 13365..14987, 15239..15267		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54667	Strand	+
Start	9543	End	15267
Name	OJ991215_07.0114.C11.o3.gs	Method	GENSCAN
Start	13210	End	15240
GI	none	Score	.98
Exons	13210..14840, 14888..15055, 15135..15240		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54668	Strand	-

Start	15073	End	15267
Name	OJ991215_07.0114.C11.o1.tw	Method	TBLASTX:Wheat
Start	13600	End	13985
GI	none	Score	81
Exons	13600..13656, 13605..13646, 13649..13753, 13651..13983, 13659..13961, 13890..13985		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54668	Strand	-
Start	15073	End	15267
Name	OJ991215_07.0114.C11.o2.tm	Method	TBLASTX:Maize
Start	13654	End	13872
GI	none	Score	275
Exons	13654..13872, 13659..13871		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54668	Strand	-
Start	15073	End	15267
Name	OJ991215_07.0114.C11.o1.tm	Method	TBLASTX:Maize
Start	13873	End	14334
GI	none	Score	520
Exons	13873..14334, 13873..14178, 14022..14333		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54668	Strand	-
Start	15073	End	15267
Name	OJ991215_07.0114.C11.o1.ts	Method	TBLASTX:Soybean
Start	14020	End	14490
GI	none	Score	226
Exons	14020..14301, 14058..14282, 14302..14490, 14346..14477		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54668	Strand	-
Start	15073	End	15267
Name	OJ991215_07.0114.C11.o2.tw	Method	TBLASTX:Wheat
Start	14022	End	14403
GI	none	Score	213
Exons	14022..14336, 14023..14340, 14302..14403		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54668	Strand	-
Start	15073	End	15267
Name	OJ991215_07.0114.C11.o2.ts	Method	TBLASTX:Soybean
Start	14641	End	15008
GI	none	Score	146
Exons	14641..14778, 14649..14774, 14823..15008, 14828..14968		

Seq. No.	26351	Seq. ID	OJ991215_07.0114.C11
Gene No.	54668	Strand	-
Start	15073	End	15267
Name	OJ991215_07.0114.C11.o2.np	Method	AAT/NAP
Start	15073	End	15267
GI	6815052	Score	172
Exons	15073..15267		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	26352	Seq. ID	OJ991215_07.0114.C12

Gene No.	54669	Strand	+
Start	621	End	754
Name	OJ991215_07.0114.C12.o1.gs	Method	GENSCAN
Start	621	End	754
GI	none	Score	.67
Exons	621..754		

Seq. No.	26352	Seq. ID	OJ991215_07.0114.C12
Gene No.	54670	Strand	-
Start	1	End	768
Name	OJ991215_07.0114.C12.o1.np	Method	AAT/NAP
Start	1	End	768
GI	5922634	Score	114
Exons	1..50, 669..768		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26353	Seq. ID	OJ991215_07.0114.C13
Gene No.	54671	Strand	+
Start	1	End	409
Name	OJ991215_07.0114.C13.o1.np	Method	AAT/NAP
Start	1	End	409
GI	3080433	Score	154
Exons	1..74, 159..409		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	26353	Seq. ID	OJ991215_07.0114.C13
Gene No.	54672	Strand	-
Start	147	End	296
Name	OJ991215_07.0114.C13.o1.tc	Method	TBLASTX:Cress
Start	2	End	296
GI	none	Score	113
Exons	2..76, 3..74, 15..83, 153..296, 234..296		

Seq. No.	26353	Seq. ID	OJ991215_07.0114.C13
Gene No.	54672	Strand	-
Start	147	End	296
Name	OJ991215_07.0114.C13.o1.gs	Method	GENSCAN
Start	147	End	286
GI	none	Score	.67
Exons	147..286		

Seq. No.	26354	Seq. ID	OJ991215_06.0118.C2
Gene No.	54673	Strand	-
Start	1	End	321
Name	OJ991215_06.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	321
GI	3785977	Score	209
Exons	1..321		
GI Descrip.	(AC005560) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	26354	Seq. ID	OJ991215_06.0118.C2
Gene No.	54673	Strand	-
Start	1	End	321

Name	OJ991215_06.0118.C2.o1.gs	Method	GENSCAN
Start	55	End	195
GI	none	Score	.56
Exons	55..195		

Seq. No.	26354	Seq. ID	OJ991215_06.0118.C2
Gene No.	54673	Strand	-
Start	1	End	321
Name	OJ991215_06.0118.C2.o1.ts	Method	TBLASTX:Soybean
Start	61	End	321
GI	none	Score	76
Exons	61..237, 110..196, 163..321		

Seq. No.	26355	Seq. ID	OJ991215_06.0118.C3
Gene No.	54674	Strand	-
Start	331	End	630
Name	OJ991215_06.0118.C3.o1.gp	Method	AAT/GAP
Start	331	End	630
GI	19190_1.R1084	Score	552
Exons	331..630		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 3.0e-11 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	26356	Seq. ID	OJ991215_06.0118.C4
Gene No.	54675	Strand	-
Start	175	End	383
Name	OJ991215_06.0118.C4.o1.gs	Method	GENSCAN
Start	175	End	383
GI	none	Score	.4
Exons	175..306, 348..383		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54676	Strand	+
Start	342	End	1430
Name	OJ991215_06.0118.C5.o1.np	Method	AAT/NAP
Start	342	End	1430
GI	6815053	Score	667
Exons	342..488, 989..1144, 1194..1430		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54677	Strand	+
Start	5265	End	7139
Name	OJ991215_06.0118.C5.o2.gs	Method	GENSCAN
Start	5265	End	7139
GI	none	Score	.66
Exons	5265..5889, 5943..6072, 6156..6328, 6589..7139		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54678	Strand	+
Start	7281	End	11522
Name	OJ991215_06.0118.C5.o3.gs	Method	GENSCAN
Start	7281	End	9714
GI	none	Score	.59
Exons	7281..7695, 8326..8700, 8993..9714		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5

Gene No.	54678	Strand	+
Start	7281	End	11522
Name	OJ991215_06.0118.C5.o2.np	Method	AAT/NAP
Start	7348	End	11522
GI	4206306	Score	1107
Exons	7348..7406, 9112..11522		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54678	Strand	+
Start	7281	End	11522
Name	OJ991215_06.0118.C5.o4.gs	Method	GENSCAN
Start	10426	End	11151
GI	none	Score	.48
Exons	10426..11151		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54679	Strand	-
Start	583	End	2279
Name	OJ991215_06.0118.C5.o1.gs	Method	GENSCAN
Start	583	End	2279
GI	none	Score	.57
Exons	583..648, 1029..1141, 2265..2279		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54680	Strand	
Start	8439	End	8777
Name	OJ991215_06.0118.C5.o5.ts	Method	TBLASTX:Soybean
Start	8439	End	8777
GI	none	Score	203
Exons	8439..8777		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54681	Strand	
Start	9187	End	10239
Name	OJ991215_06.0118.C5.o4.ts	Method	TBLASTX:Soybean
Start	9187	End	9552
GI	none	Score	138
Exons	9187..9411, 9198..9377, 9418..9552		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54681	Strand	
Start	9187	End	10239
Name	OJ991215_06.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	9349	End	9753
GI	none	Score	81
Exons	9349..9405, 9354..9395, 9400..9753, 9408..9710, 9409..9753		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54681	Strand	
Start	9187	End	10239
Name	OJ991215_06.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	9403	End	9621
GI	none	Score	286
Exons	9403..9621, 9408..9620		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5

Gene No.	54681	Strand	
Start	9187	End	10239
Name	OJ991215_06.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	9622	End	10083
GI	none	Score	535
Exons	9622..10083, 9622..9903, 9624..10082		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54681	Strand	
Start	9187	End	10239
Name	OJ991215_06.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	9769	End	10239
GI	none	Score	228
Exons	9769..10050, 9807..9944, 10051..10239, 10095..10226		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54681	Strand	
Start	9187	End	10239
Name	OJ991215_06.0118.C5.o2.tw	Method	TBLASTX:Wheat
Start	9771	End	10152
GI	none	Score	211
Exons	9771..10085, 9772..10089, 10069..10152, 10080..10148		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54682	Strand	
Start	10390	End	10833
Name	OJ991215_06.0118.C5.o2.ts	Method	TBLASTX:Soybean
Start	10390	End	10802
GI	none	Score	136
Exons	10390..10527, 10392..10523, 10548..10802, 10549..10800		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54682	Strand	
Start	10390	End	10833
Name	OJ991215_06.0118.C5.o3.tw	Method	TBLASTX:Wheat
Start	10435	End	10833
GI	none	Score	79
Exons	10435..10524, 10564..10833, 10575..10640, 10662..10811		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54683	Strand	
Start	11089	End	11520
Name	OJ991215_06.0118.C5.o3.tm	Method	TBLASTX:Maize
Start	11089	End	11421
GI	none	Score	209
Exons	11089..11421		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54683	Strand	
Start	11089	End	11520
Name	OJ991215_06.0118.C5.o3.ts	Method	TBLASTX:Soybean
Start	11170	End	11451
GI	none	Score	224
Exons	11170..11451, 11235..11450		

Seq. No.	26357	Seq. ID	OJ991215_06.0118.C5
Gene No.	54683	Strand	

Start	11089	End	11520
Name	OJ991215_06.0118.C5.o4.tw	Method	TBLASTX:Wheat
Start	11233	End	11520
GI	none	Score	140
Exons	11233..11397, 11422..11520		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54684	Strand	+
Start	1	End	683
Name	OJ991215_06.0118.C6.o1.np	Method	AAT/NAP
Start	1	End	683
GI	4115365	Score	289
Exons	1..683		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54684	Strand	+
Start	1	End	683
Name	OJ991215_06.0118.C6.o1.gs	Method	GENSCAN
Start	70	End	669
GI	none	Score	.75
Exons	70..669		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54685	Strand	+
Start	15130	End	26531
Name	OJ991215_06.0118.C6.o4.gs	Method	GENSCAN
Start	15130	End	26531
GI	none	Score	.45
Exons	15130..15224, 15341..15533, 16088..16503, 16509..16872, 16958..17124, 18284..18388, 19294..19552, 20115..20555, 20735..21096, 21111..21388, 22536..22591, 23029..23226, 26325..26531		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54685	Strand	+
Start	15130	End	26531
Name	OJ991215_06.0118.C6.o3.np	Method	AAT/NAP
Start	16366	End	24692
GI	6721512	Score	104
Exons	16366..16876, 17309..17553, 18301..18388, 18431..18470, 24521..24692		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54685	Strand	+
Start	15130	End	26531
Name	OJ991215_06.0118.C6.o3.gp	Method	AAT/GAP
Start	19955	End	20276
GI	3061127	Score	631
Exons	19955..20276		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54685	Strand	+
Start	15130	End	26531
Name	OJ991215_06.0118.C6.o4.np	Method	AAT/NAP

Start	20173	End	21174
GI	6523057	Score	436
Exons	20173..20318, 20433..20555, 20674..20835, 20938..21174		
GI Descrip.	(AL133314) putative protein [Arabidopsis thaliana]		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54685	Strand	+
Start	15130	End	26531
Name	OJ991215_06.0118.C6.o4.gp	Method	AAT/GAP
Start	20400	End	21858
GI	19190_1.R1084	Score	2814
Exons	20400..21858		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 3.0e-11 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54685	Strand	+
Start	15130	End	26531
Name	OJ991215_06.0118.C6.o5.np	Method	AAT/NAP
Start	22951	End	24590
GI	6539588	Score	114
Exons	22951..23239, 24536..24590		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54686	Strand	+
Start	28448	End	28798
Name	OJ991215_06.0118.C6.o6.gp	Method	AAT/GAP
Start	28448	End	28798
GI	2442807	Score	415
Exons	28448..28477, 28586..28798		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o10.gs	Method	GENSCAN
Start	42078	End	42809
GI	none	Score	.65
Exons	42078..42527, 42627..42809		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o11.np	Method	AAT/NAP
Start	42522	End	85712
GI	3236247	Score	502
Exons	42522..42665, 61339..61419, 83950..84142, 84294..84579, 84670..85712		
GI Descrip.	(AC004684) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o11.gs	Method	GENSCAN
Start	45297	End	45831
GI	none	Score	.73

Exons	45297..45344, 45577..45831		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o12.gs	Method	GENSCAN
Start	46624	End	52789
GI	none	Score	.88
Exons	46624..46818, 46862..47037, 47998..48133, 48237..48406, 50405..50510, 50566..50669, 51222..51350, 51634..52789		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o9.gp	Method	AAT/GAP
Start	47786	End	48169
GI	uC-osf1M202020f02b1	Score	720
Exons	47786..48169		
GI Descrip.	'3236242 8.0e-15 (AC004684) putative ribosomal protein L36 [Arabidopsis thaliana]'		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o7.np	Method	AAT/NAP
Start	48219	End	56824
GI	6708472	Score	605
Exons	48219..48389, 49509..49568, 49923..49980, 50386..50480, 50566..50669, 51222..51350, 51634..51737, 56796..56824		
GI Descrip.	(AF214117) putative c-myb-like transcription factor [Arabidopsis thaliana]		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o10.gp	Method	AAT/GAP
Start	50632	End	51887
GI	uC-osf1cyp037e12b1	Score	769
Exons	50632..50669, 51222..51350, 51634..51887		
GI Descrip.	'2129953/pir||JC5229 3.0e-39 laccase (EC 1.10.3.2) - common tobacco >gi_1685087 (U43542) diphenol oxidase [Nicotiana tabacum]'		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o11.gp	Method	AAT/GAP
Start	52430	End	52669
GI	2797152	Score	459
Exons	52430..52669		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o13.gs	Method	GENSCAN
Start	53990	End	62050
GI	none	Score	.69

Exons	53990..54004, 54195..54330, 54468..54573, 54591..54657, 54693..54768, 54880..55003, 55410..55494, 55811..55943, 56447..56541, 56717..56795, 56940..57022, 58139..58265, 58942..59104, 60764..61020, 61111..61176, 61295..61433, 61731..61872, 61997..62050		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o13.gp	Method	AAT/GAP
Start	54405	End	57582
GI	22230_1.R1084	Score	2174
Exons	54405..54573, 54693..54768, 54880..55003, 55410..55494, 55811..55943, 56447..56541, 56717..56795, 56940..57022, 57240..57582		
GI Descrip.	'1351270/sp|P48494|TPIS_ORYSA 1.0e-105 TRIOSEPHOSPHATE ISOMERASE, CYTOSOLIC (TIM) >gi_478410_pir__JQ2255 triose-phosphate isomerase (EC 5.3.1.1) - rice >gi_169821 (M87064) triosephosphate isomerase [Oryza sativa]'		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o8.np	Method	AAT/NAP
Start	54535	End	57287
GI	1351279	Score	852
Exons	54535..54573, 54693..54768, 54880..55003, 55410..55494, 55811..55943, 56447..56541, 56717..56795, 56940..57022, 57240..57287		
GI Descrip.	TRIOSEPHOSPHATE ISOMERASE, CYTOSOLIC (TIM) gi|602590|emb|CAA58230| (X83227) triosephosphate isomerase [Petunia x hybrida]		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o14.gp	Method	AAT/GAP
Start	60815	End	62277
GI	1046_1.R1084	Score	1554
Exons	60815..61020, 61111..61176, 61295..61433, 61731..61872, 61997..62277		
GI Descrip.	'2920837 4.0e-89 (U95135) Os-FIERG1 gene product [Oryza sativa]'		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o9.np	Method	AAT/NAP
Start	60942	End	62047
GI	2920837	Score	697
Exons	60942..61020, 61111..61176, 61295..61433, 61731..61872, 61997..62047		
GI Descrip.	(U95135) Os-FIERG1 gene product [Oryza sativa]		
Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o16.gs	Method	GENSCAN

Start	76076	End	78133
GI	none	Score	.86
Exons	76076..76090, 76463..76634, 78060..78133		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54687	Strand	+
Start	42078	End	85712
Name	OJ991215_06.0118.C6.o18.gp	Method	AAT/GAP
Start	84328	End	85058
GI	none	Score	1451
Exons	84328..85058		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54688	Strand	-
Start	1067	End	5365
Name	OJ991215_06.0118.C6.o2.gs	Method	GENSCAN
Start	1067	End	5365
GI	none	Score	.76
Exons	1067..1362, 1442..1751, 1831..1914, 2230..2571, 2652..3941, 4221..4365, 4688..4778, 5206..5365		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54689	Strand	-
Start	8260	End	14712
Name	OJ991215_06.0118.C6.o1.gp	Method	AAT/GAP
Start	8193	End	10658
GI	2311261	Score	743
Exons	8193..8283, 9093..9298, 10351..10478, 10612..10658		
GI Descrip.	3236242 8.0e-15 (AC004684) putative ribosomal protein L36 [Arabidopsis thaliana]		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54689	Strand	-
Start	8260	End	14712
Name	OJ991215_06.0118.C6.o3.gs	Method	GENSCAN
Start	8260	End	14712
GI	none	Score	.82
Exons	8260..8290, 9099..9298, 10350..10478, 10612..10668, 12057..12167, 13732..13953, 14291..14431, 14554..14712		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54689	Strand	-
Start	8260	End	14712
Name	OJ991215_06.0118.C6.o2.np	Method	AAT/NAP
Start	9062	End	10451
GI	3236242	Score	369
Exons	9062..9298, 10350..10451		
GI Descrip.	(AC004684) 60S ribosomal protein L36 [Arabidopsis thaliana]		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54689	Strand	-
Start	8260	End	14712
Name	OJ991215_06.0118.C6.o2.gp	Method	AAT/GAP
Start	13971	End	14274
GI	none	Score	550
Exons	13971..14274		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54690	Strand	-
Start	27920	End	29203
Name	OJ991215_06.0118.C6.o5.gs	Method	GENSCAN
Start	27920	End	29203
GI	none	Score	.87
Exons	27920..29203		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54690	Strand	-
Start	27920	End	29203
Name	OJ991215_06.0118.C6.o7.gp	Method	AAT/GAP
Start	29010	End	29160
GI	LIB3479-011-Q6-K1-B9	Score	221
Exons	29010..29160		
GI Descrip.	'130951/sp|P17048|PRO2_ORYSA 2.0e-12 13 KD PROLAMIN PRECURSOR >gi_100697_pir__S09249 13K prolamin precursor - rice >gi_20292_emb_CAA32565_ (X14392) preprolamin (AA -19 to 137) [Oryza sativa] >gi_1587669_prf__2207199A prolamin [Oryza sativa]'		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54691	Strand	-
Start	29450	End	35849
Name	OJ991215_06.0118.C6.o6.gs	Method	GENSCAN
Start	29450	End	33774
GI	none	Score	.66
Exons	29450..29548, 29837..29964, 30172..30232, 30263..30341, 30785..30879, 31495..31539, 31771..31938, 32081..32285, 32418..32615, 33698..33774		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54691	Strand	-
Start	29450	End	35849
Name	OJ991215_06.0118.C6.o6.np	Method	AAT/NAP
Start	30930	End	35849
GI	3785977	Score	1840
Exons	30930..31095, 31231..31421, 31495..31662, 31771..31938, 32081..32285, 32418..32615, 32956..33044, 33167..33234, 34113..34178, 35461..35849		
GI Descrip.	(AC005560) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54691	Strand	-
Start	29450	End	35849
Name	OJ991215_06.0118.C6.o8.gp	Method	AAT/GAP
Start	31630	End	32469
GI	uC-osf1M202050g05b1	Score	841
Exons	31630..31662, 31771..31938, 32081..32285, 32418..32469		
GI Descrip.	'3785977 2.0e-58 (AC005560) putative growth regulator protein [Arabidopsis thaliana]'		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54692	Strand	-
Start	37595	End	37981
Name	OJ991215_06.0118.C6.o8.gs	Method	GENSCAN

Start	37595	End	37981
GI	none	Score	.97
Exons	37595..37981		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54693	Strand	-
Start	53154	End	53435
Name	OJ991215_06.0118.C6.o12.gp	Method	AAT/GAP
Start	53154	End	53435
GI	none	Score	451
Exons	53154..53435		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54694	Strand	-
Start	63671	End	71189
Name	OJ991215_06.0118.C6.o16.gp	Method	AAT/GAP
Start	63671	End	66220
GI	3683_1.R1084	Score	2013
Exons	63671..64444, 65613..65837, 66052..66220		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54694	Strand	-
Start	63671	End	71189
Name	OJ991215_06.0118.C6.o10.np	Method	AAT/NAP
Start	64319	End	69908
GI	1652280	Score	573
Exons	64319..64458, 65622..65837, 66052..66447, 67085..67244, 67324..67473, 67551..67657, 67765..67827, 68087..68269, 68543..68729, 69188..69316, 69398..69475, 69549..69662, 69804..69908		
GI Descrip.	(D90904) ribonuclease II [Synechocystis sp.]		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54694	Strand	-
Start	63671	End	71189
Name	OJ991215_06.0118.C6.o14.gs	Method	GENSCAN
Start	64322	End	71189
GI	none	Score	.88
Exons	64322..64444, 65613..65837, 66052..66447, 67085..67280, 67324..67473, 67551..67657, 67720..67827, 68087..68269, 68511..68729, 69188..69316, 69398..69475, 69549..69662, 69804..69963, 70957..71189		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54694	Strand	-
Start	63671	End	71189
Name	OJ991215_06.0118.C6.o17.gp	Method	AAT/GAP
Start	66366	End	67453
GI	LIB3434-026-P1-K1-G9	Score	678
Exons	66366..66447, 67085..67244, 67324..67453		
GI Descrip.	'1652280/dbj|BAA17203| 3.0e-14 (D90904) ribonuclease II [Synechocystis sp.]'		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-

Start	79322	End	80525
Name	OJ991215_06.0118.C6.o4.tw	Method	TBLASTX:Wheat
Start	262	End	668
GI	none	Score	183
Exons	262..597, 588..668		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o11.ts	Method	TBLASTX:Soybean
Start	445	End	694
GI	none	Score	171
Exons	445..597, 445..579, 459..587, 588..689, 656..694		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o4.ts	Method	TBLASTX:Soybean
Start	9095	End	10455
GI	none	Score	121
Exons	9095..9298, 9098..9298, 9099..9299, 10345..10455, 10350..10451		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o7.tm	Method	TBLASTX:Maize
Start	9096	End	10476
GI	none	Score	248
Exons	9096..9290, 9098..9298, 9099..9299, 10350..10451, 10351..10455, 10351..10476		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	9098	End	10509
GI	none	Score	237
Exons	9098..9298, 9099..9299, 9151..9300, 10350..10490, 10351..10509		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o6.tc	Method	TBLASTX:Cress
Start	9098	End	10451
GI	none	Score	175
Exons	9098..9298, 9099..9299, 10345..10443, 10350..10451		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o8.tc	Method	TBLASTX:Cress
Start	20224	End	20758
GI	none	Score	101
Exons	20224..20319, 20434..20556, 20672..20758		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-

Start	79322	End	80525
Name	OJ991215_06.0118.C6.o8.tm	Method	TBLASTX:Maize
Start	20226	End	20830
GI	none	Score	145
Exons	20226..20318, 20227..20319, 20227..20319, 20433..20576, 20434..20556, 20702..20830, 20743..20829, 20753..20830		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o8.ts	Method	TBLASTX:Soybean
Start	20227	End	21073
GI	none	Score	104
Exons	20227..20319, 20229..20318, 20433..20525, 20434..20523, 20672..20836, 20749..20850, 20912..21073		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o5.ts	Method	TBLASTX:Soybean
Start	28239	End	28487
GI	none	Score	203
Exons	28239..28430, 28241..28432, 28434..28487, 28448..28486		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	28242	End	28604
GI	none	Score	315
Exons	28242..28604, 28244..28603		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o11.tm	Method	TBLASTX:Maize
Start	28809	End	29086
GI	none	Score	81
Exons	28809..28853, 28811..28861, 28853..28921, 28892..28927, 28964..29077, 28968..29042, 29045..29086		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o3.ts	Method	TBLASTX:Soybean
Start	30948	End	31531
GI	none	Score	138
Exons	30948..31091, 30949..31092, 31236..31424, 31240..31422, 31272..31424, 31483..31530, 31496..31531		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o3.tc	Method	TBLASTX:Cress
Start	31230	End	31438
GI	none	Score	199
Exons	31230..31424, 31231..31422, 31232..31438		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o2.tm	Method	TBLASTX:Maize
Start	31362	End	31851
GI	none	Score	76
Exons	31362..31424, 31363..31422, 31364..31438, 31438..31662, 31496..31663, 31496..31663, 31497..31664, 31768..31845, 31768..31851		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	31491	End	32308
GI	none	Score	186
Exons	31491..31667, 31492..31668, 31493..31678, 31493..31681, 31752..31976, 31766..31846, 31768..31977, 31768..31977, 31910..31990, 32066..32308, 32067..32288, 32080..32298		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o2.ts	Method	TBLASTX:Soybean
Start	31571	End	32222
GI	none	Score	86
Exons	31571..31663, 31573..31662, 31768..31941, 31769..31846, 31782..31952, 31783..31965, 32062..32145, 32076..32222, 32081..32218		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o13.tm	Method	TBLASTX:Maize
Start	32487	End	33229
GI	none	Score	139
Exons	32487..32615, 32489..32617, 32489..32617, 32523..32618, 32956..33045, 32961..33044, 33164..33229, 33167..33229		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o10.ts	Method	TBLASTX:Soybean
Start	32561	End	35695
GI	none	Score	96
Exons	32561..32617, 32956..33042, 32961..33044, 33165..33239, 33167..33235, 33168..33245, 34105..34182, 35471..35647, 35520..35639, 35573..35695		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o4.tc	Method	TBLASTX:Cress
Start	42303	End	43336
GI	none	Score	103
Exons	42303..42476, 42306..42452, 42357..42464, 42846..42923,		

42970..43215, 42974..43246, 43004..43246, 43253..43336

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o12.tm	Method	TBLASTX:Maize
Start	42339	End	43183
GI	none	Score	67
Exons	42339..42452, 42982..43050, 42983..43057, 42983..43057, 43048..43182, 43067..43183		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o7.ts	Method	TBLASTX:Soybean
Start	49515	End	52624
GI	none	Score	88
Exons	49515..49577, 49895..49978, 49914..49979, 50378..50482, 50384..50482, 50385..50480, 50385..50480, 50394..50495, 50395..50481, 50408..50482, 50551..50670, 50559..50672, 50564..50683, 50565..50666, 51220..51312, 51220..51351, 51222..51350, 51254..51382, 51316..51351, 51620..51694, 51631..51687, 52112..52180, 52210..52368, 52217..52408, 52532..52624		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o9.tc	Method	TBLASTX:Cress
Start	50397	End	51703
GI	none	Score	73
Exons	50397..50480, 50563..50646, 50569..50670, 50569..50670, 50577..50672, 51204..51350, 51220..51351, 51220..51351, 51255..51356, 51632..51703		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o10.tm	Method	TBLASTX:Maize
Start	52376	End	52791
GI	none	Score	102
Exons	52376..52507, 52378..52509, 52493..52678, 52495..52695, 52496..52537, 52524..52682, 52525..52689, 52751..52789, 52762..52791		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o5.tm	Method	TBLASTX:Maize
Start	54531	End	57287
GI	none	Score	79
Exons	54531..54572, 54532..54573, 54532..54582, 54693..54788, 54695..54742, 54705..54767, 54878..55003, 54879..55001, 54940..55002, 55407..55493, 55407..55493, 55408..55494, 55408..55494, 55409..55522, 55757..55939, 55811..55942, 55813..55941, 56414..56497, 56443..56544, 56445..56543, 56708..56794, 56715..56795, 56716..56796, 56716..56796,		

56717..56797, 56935..57021, 56938..57030, 56939..57034,
57234..57287, 57234..57281, 57239..57283

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o5.tc	Method	TBLASTX:Cress
Start	54537	End	57290
GI	none	Score	73

Exons 54537..54572, 54538..54573, 54693..54788, 54695..54742,
54878..55003, 54879..55001, 55407..55493, 55408..55494,
55408..55518, 55745..55939, 55796..55966, 55810..55941,
56439..56537, 56443..56544, 56458..56544, 56717..56797,
56938..57030, 56939..57034, 57234..57290

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o3.tw	Method	TBLASTX:Wheat
Start	54541	End	54980
GI	none	Score	63

Exons 54541..54573, 54693..54788, 54878..54979, 54879..54980

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o6.ts	Method	TBLASTX:Soybean
Start	54541	End	57034
GI	none	Score	69

Exons 54541..54573, 54693..54788, 54878..55003, 54879..55001,
54882..55007, 55407..55493, 55408..55494, 55739..55945,
55760..55954, 55783..55947, 56445..56543, 56449..56544,
56717..56797, 56914..57030, 56938..57030, 56939..57034

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o2.tw	Method	TBLASTX:Wheat
Start	60863	End	61400
GI	none	Score	101

Exons 60863..61018, 60933..61025, 60948..61019, 60961..61047,
60962..61048, 61109..61177, 61109..61174, 61110..61181,
61294..61398, 61294..61383, 61299..61400

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o6.tm	Method	TBLASTX:Maize
Start	60908	End	61806
GI	none	Score	99

Exons 60908..61009, 60933..61019, 60939..61016, 61113..61181,
61118..61171, 61120..61176, 61293..61433, 61294..61434,
61294..61383, 61299..61433, 61382..61435, 61714..61806

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525

Name	OJ991215_06.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	65697	End	66364
GI	none	Score	72
Exons	65697..65840, 65700..65840, 65701..65844, 65711..65851, 66038..66364, 66047..66289, 66049..66363		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o4.tm	Method	TBLASTX:Maize
Start	66232	End	67428
GI	none	Score	298
Exons	66232..66453, 66233..66448, 66234..66449, 66235..66459, 67061..67120, 67083..67238, 67084..67245, 67084..67245, 67175..67288, 67324..67428, 67326..67427		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o2.tc	Method	TBLASTX:Cress
Start	67181	End	67821
GI	none	Score	64
Exons	67181..67243, 67182..67244, 67183..67257, 67326..67475, 67327..67476, 67327..67476, 67550..67660, 67551..67631, 67553..67660, 67591..67662, 67765..67821		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54695	Strand	-
Start	79322	End	80525
Name	OJ991215_06.0118.C6.o17.gs	Method	GENSCAN
Start	79322	End	80525
GI	none	Score	.71
Exons	79322..79447, 80185..80331, 80343..80525		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54696	Strand	
Start	84619	End	85058
Name	OJ991215_06.0118.C6.o3.tm	Method	TBLASTX:Maize
Start	84619	End	85058
GI	none	Score	343
Exons	84619..84882, 84638..84841, 84639..85058, 84673..85056		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54697	Strand	
Start	84964	End	85377
Name	OJ991215_06.0118.C6.o9.ts	Method	TBLASTX:Soybean
Start	84964	End	85377
GI	none	Score	228
Exons	84964..85377, 85216..85371		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54697	Strand	
Start	84964	End	85377
Name	OJ991215_06.0118.C6.o9.tm	Method	TBLASTX:Maize
Start	85065	End	85377
GI	none	Score	198
Exons	85065..85139, 85069..85272, 85279..85377		

Seq. No.	26358	Seq. ID	OJ991215_06.0118.C6
Gene No.	54697	Strand	
Start	84964	End	85377
Name	OJ991215_06.0118.C6.o7.tc	Method	TBLASTX:Cress
Start	85120	End	85370
GI	none	Score	228
Exons	85120..85356, 85182..85370		

Seq. No.	26359	Seq. ID	OJ991215_06.0118.C7
Gene No.	54698	Strand	-
Start	95	End	608
Name	OJ991215_06.0118.C7.o1.gs	Method	GENSCAN
Start	95	End	608
GI	none	Score	.76
Exons	95..130, 483..608		

Seq. No.	26360	Seq. ID	OJ991215_01.0113.C2
Gene No.	54699	Strand	-
Start	592	End	992
Name	OJ991215_01.0113.C2.o1.gs	Method	GENSCAN
Start	592	End	992
GI	none	Score	.44
Exons	592..667, 749..992		

Seq. No.	26361	Seq. ID	OJ991215_01.0113.C3
Gene No.	54700	Strand	+
Start	97	End	275
Name	OJ991215_01.0113.C3.o1.gs	Method	GENSCAN
Start	97	End	275
GI	none	Score	.95
Exons	97..275		

Seq. No.	26361	Seq. ID	OJ991215_01.0113.C3
Gene No.	54701	Strand	-
Start	1	End	703
Name	OJ991215_01.0113.C3.o1.np	Method	AAT/NAP
Start	1	End	703
GI	5042447	Score	141
Exons	1..49, 166..703		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26362	Seq. ID	OJ991215_01.0113.C4
Gene No.	54702	Strand	+
Start	1	End	10301
Name	OJ991215_01.0113.C4.o3.np	Method	AAT/NAP
Start	1	End	10301
GI	5091513	Score	1137
Exons	1..313, 6493..6669, 7449..8820, 9812..10301		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	26362	Seq. ID	OJ991215_01.0113.C4
Gene No.	54702	Strand	+
Start	1	End	10301
Name	OJ991215_01.0113.C4.o1.gp	Method	AAT/GAP
Start	4995	End	5303
GI	72524_1.R1084	Score	441

Exons	4995..5303		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	26362	Seq. ID	OJ991215_01.0113.C4
Gene No.	54703	Strand	+
Start	11578	End	11890
Name	OJ991215_01.0113.C4.o2.gp	Method	AAT/GAP
Start	11578	End	11890
GI	72524_1.R1084	Score	420
Exons	11578..11890		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	26362	Seq. ID	OJ991215_01.0113.C4
Gene No.	54704	Strand	-
Start	1323	End	7280
Name	OJ991215_01.0113.C4.o1.np	Method	AAT/NAP
Start	1323	End	2628
GI	6815099	Score	89
Exons	1323..1475, 2090..2141, 2599..2628		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	26362	Seq. ID	OJ991215_01.0113.C4
Gene No.	54704	Strand	-
Start	1323	End	7280
Name	OJ991215_01.0113.C4.o2.np	Method	AAT/NAP
Start	1627	End	7280
GI	6705984	Score	386
Exons	1627..2013, 7233..7280		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	26362	Seq. ID	OJ991215_01.0113.C4
Gene No.	54705	Strand	-
Start	10079	End	13382
Name	OJ991215_01.0113.C4.o4.np	Method	AAT/NAP
Start	10079	End	13382
GI	5295951	Score	148
Exons	10079..10118, 12729..13022, 13175..13382		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	26362	Seq. ID	OJ991215_01.0113.C4
Gene No.	54706	Strand	-
Start	13859	End	14284
Name	OJ991215_01.0113.C4.o2.tm	Method	TBLASTX:Maize
Start	720	End	1203
GI	none	Score	55
Exons	720..806, 720..836, 776..907, 795..908, 827..1108, 859..909, 905..1093, 913..1095, 1096..1203, 1096..1197		

Seq. No.	26362	Seq. ID	OJ991215_01.0113.C4
Gene No.	54706	Strand	-
Start	13859	End	14284
Name	OJ991215_01.0113.C4.o1.tm	Method	TBLASTX:Maize
Start	1651	End	1896
GI	none	Score	152

Exons	1651..1695, 1698..1895, 1702..1896		
Seq. No.	26362	Seq. ID	OJ991215_01.0113.C4
Gene No.	54706	Strand	-
Start	13859	End	14284
Name	OJ991215_01.0113.C4.o3.gs	Method	GENSCAN
Start	13859	End	14284
GI	none	Score	1
Exons	13859..13892, 14160..14284		
Seq. No.	26363	Seq. ID	OJ991215_01.0113.C5
Gene No.	54707	Strand	-
Start	172	End	1997
Name	OJ991215_01.0113.C5.o1.np	Method	AAT/NAP
Start	172	End	1997
GI	6006359	Score	70
Exons	172..269, 1953..1997		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	26363	Seq. ID	OJ991215_01.0113.C5
Gene No.	54707	Strand	-
Start	172	End	1997
Name	OJ991215_01.0113.C5.o1.gs	Method	GENSCAN
Start	681	End	1757
GI	none	Score	.47
Exons	681..851, 1357..1757		
Seq. No.	26363	Seq. ID	OJ991215_01.0113.C5
Gene No.	54707	Strand	-
Start	172	End	1997
Name	OJ991215_01.0113.C5.o2.np	Method	AAT/NAP
Start	1491	End	1634
GI	2496803	Score	73
Exons	1491..1634		
GI Descrip.	HYPOTHETICAL 39.0 KD PROTEIN SLR1821 gi|1652842|dbj|BAA17761| (D90908) hypothetical protein [Synechocystis sp.]		
Seq. No.	26364	Seq. ID	OJ991215_01.0113.C6
Gene No.	54708	Strand	+
Start	14	End	657
Name	OJ991215_01.0113.C6.o1.gs	Method	GENSCAN
Start	14	End	657
GI	none	Score	.56
Exons	14..373, 550..657		
Seq. No.	26365	Seq. ID	OJ991215_01.0113.C7
Gene No.	54709	Strand	-
Start	1635	End	2542
Name	OJ991215_01.0113.C7.o1.gs	Method	GENSCAN
Start	1635	End	2542
GI	none	Score	.83
Exons	1635..1774, 2530..2542		
Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54710	Strand	+
Start	1528	End	2049
Name	OJ991215_01.0113.C8.o1.gs	Method	GENSCAN

Start	1528	End	2049
GI	none	Score	.9
Exons	1528..1830, 1999..2049		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54711	Strand	+
Start	4261	End	5823
Name	OJ991215_01.0113.C8.o3.gs	Method	GENSCAN
Start	4261	End	5823
GI	none	Score	.93
Exons	4261..4466, 4994..5104, 5358..5823		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54712	Strand	+
Start	8029	End	8274
Name	OJ991215_01.0113.C8.o4.gs	Method	GENSCAN
Start	8029	End	8274
GI	none	Score	.97
Exons	8029..8274		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54713	Strand	+
Start	9540	End	15671
Name	OJ991215_01.0113.C8.o2.np	Method	AAT/NAP
Start	9540	End	15665
GI	6691716	Score	2382
Exons	9540..10366, 10555..10701, 13950..14004, 14088..14188, 14265..14446, 14525..14712, 14786..14885, 15036..15152, 15226..15665		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54713	Strand	+
Start	9540	End	15671
Name	OJ991215_01.0113.C8.o5.gs	Method	GENSCAN
Start	9540	End	9893
GI	none	Score	.65
Exons	9540..9893		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54713	Strand	+
Start	9540	End	15671
Name	OJ991215_01.0113.C8.o6.gs	Method	GENSCAN
Start	11112	End	15671
GI	none	Score	.76
Exons	11112..11220, 11382..11453, 11580..11792, 12206..12248, 14058..14188, 14261..14446, 14630..14712, 14786..14975, 15036..15152, 15226..15671		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54714	Strand	+
Start	20396	End	20777
Name	OJ991215_01.0113.C8.o1.gp	Method	AAT/GAP
Start	20396	End	20777
GI	uC-osflcyp033a04b1	Score	671

Exons	20396..20777		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54715	Strand	+
Start	29049	End	32820
Name	OJ991215_01.0113.C8.o9.gs	Method	GENSCAN
Start	29049	End	32820
GI	none	Score	.73
Exons	29049..29075, 29345..29497, 31402..31508, 31607..31679, 31771..31848, 32096..32251, 32350..32820		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54716	Strand	+
Start	33134	End	35386
Name	OJ991215_01.0113.C8.o10.gs	Method	GENSCAN
Start	33134	End	35386
GI	none	Score	.83
Exons	33134..33805, 33887..34192, 34514..34627, 34706..35386		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54717	Strand	-
Start	1087	End	3325
Name	OJ991215_01.0113.C8.o1.np	Method	AAT/NAP
Start	1087	End	3325
GI	2213632	Score	749
Exons	1087..1112, 2571..3325		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54718	Strand	-
Start	16023	End	28467
Name	OJ991215_01.0113.C8.o3.np	Method	AAT/NAP
Start	16023	End	27185
GI	5922631	Score	6430
Exons	16023..17312, 21490..21676, 22637..23630, 24237..25163, 25290..25449, 25492..26060, 26106..26275, 26543..26802, 27061..27185		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54718	Strand	-
Start	16023	End	28467
Name	OJ991215_01.0113.C8.o8.gs	Method	GENSCAN
Start	19824	End	28467
GI	none	Score	.61
Exons	19824..19930, 20376..20529, 21490..21624, 21722..21789, 21919..22043, 22072..22473, 22775..23184, 23635..24148, 24245..25784, 25892..26246, 26268..27137, 27142..27189, 28381..28467		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o1.tm	Method	TBLASTX:Maize
Start	2606	End	3083
GI	none	Score	61
Exons	2606..2677, 2606..2671, 2673..2714, 2675..2713, 2700..2861, 2711..3082, 2712..3083		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o2.tw	Method	TBLASTX:Wheat
Start	2618	End	3040
GI	none	Score	166
Exons	2618..2845, 2628..2843, 2700..2852, 2855..3040, 2865..3029		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o2.tm	Method	TBLASTX:Maize
Start	3101	End	3580
GI	none	Score	170
Exons	3101..3565, 3101..3580		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o7.tw	Method	TBLASTX:Wheat
Start	3159	End	3583
GI	none	Score	51
Exons	3159..3215, 3161..3313, 3161..3535, 3246..3524, 3542..3583		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o10.tw	Method	TBLASTX:Wheat
Start	15984	End	16235
GI	none	Score	63
Exons	15984..16022, 16056..16235, 16062..16229		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o6.tm	Method	TBLASTX:Maize
Start	16038	End	16292
GI	none	Score	97
Exons	16038..16139, 16039..16140, 16119..16292, 16120..16179		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o2.ts	Method	TBLASTX:Soybean
Start	16053	End	35979
GI	none	Score	52
Exons	16053..16175, 35729..35770, 35734..35979, 35807..35977		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o7.tm	Method	TBLASTX:Maize
Start	16326	End	16599
GI	none	Score	50
Exons	16326..16412, 16425..16505, 16435..16509, 16492..16599, 16500..16598		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o9.tw	Method	TBLASTX:Wheat
Start	16350	End	16640
GI	none	Score	144
Exons	16350..16640, 16354..16629		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o4.tw	Method	TBLASTX:Wheat
Start	16669	End	17058
GI	none	Score	191
Exons	16669..17058, 16671..17057		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o3.tm	Method	TBLASTX:Maize
Start	16729	End	17064
GI	none	Score	260
Exons	16729..17064, 16731..17063		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o5.tw	Method	TBLASTX:Wheat
Start	22654	End	23062
GI	none	Score	120
Exons	22654..22800, 22655..22801, 22831..23061, 22832..23062		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o1.ts	Method	TBLASTX:Soybean
Start	23204	End	23601
GI	none	Score	62
Exons	23204..23374, 23215..23601, 23429..23554		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o3.tw	Method	TBLASTX:Wheat
Start	23230	End	23649
GI	none	Score	285
Exons	23230..23649, 23231..23605		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o5.tm	Method	TBLASTX:Maize
Start	23323	End	23706
GI	none	Score	155
Exons	23323..23706, 23324..23602, 23371..23697		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o4.tm	Method	TBLASTX:Maize
Start	23734	End	24090
GI	none	Score	191
Exons	23734..24090, 23744..24043		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o1.tw	Method	TBLASTX:Wheat
Start	23764	End	24220
GI	none	Score	253
Exons	23764..24219, 23765..24220		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o6.tw	Method	TBLASTX:Wheat
Start	24440	End	24897
GI	none	Score	155
Exons	24440..24676, 24442..24672, 24721..24897		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o8.tw	Method	TBLASTX:Wheat
Start	25477	End	25854
GI	none	Score	259
Exons	25477..25854		

Seq. No.	26366	Seq. ID	OJ991215_01.0113.C8
Gene No.	54719	Strand	-
Start	35689	End	36107
Name	OJ991215_01.0113.C8.o4.np	Method	AAT/NAP
Start	35689	End	36107
GI	629693	Score	134
Exons	35689..36107		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	26367	Seq. ID	OJ991215_01.0113.C9
Gene No.	54720	Strand	-
Start	1	End	1727
Name	OJ991215_01.0113.C9.o1.np	Method	AAT/NAP
Start	1	End	1727
GI	4206306	Score	330

Exons	1..473, 1615..1727		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	26367	Seq. ID	OJ991215_01.0113.C9
Gene No.	54720	Strand	-
Start	1	End	1727
Name	OJ991215_01.0113.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	303
GI	none	Score	116
Exons	1..303, 74..289		
Seq. No.	26367	Seq. ID	OJ991215_01.0113.C9
Gene No.	54720	Strand	-
Start	1	End	1727
Name	OJ991215_01.0113.C9.o1.tw	Method	TBLASTX:Wheat
Start	1	End	231
GI	none	Score	108
Exons	1..168, 1..180, 2..172, 175..231		
Seq. No.	26367	Seq. ID	OJ991215_01.0113.C9
Gene No.	54720	Strand	-
Start	1	End	1727
Name	OJ991215_01.0113.C9.o1.gs	Method	GENSCAN
Start	512	End	1671
GI	none	Score	.42
Exons	512..1031, 1196..1671		
Seq. No.	26367	Seq. ID	OJ991215_01.0113.C9
Gene No.	54720	Strand	-
Start	1	End	1727
Name	OJ991215_01.0113.C9.o1.ts	Method	TBLASTX:Soybean
Start	809	End	1108
GI	none	Score	191
Exons	809..1108		
Seq. No.	26368	Seq. ID	OJ991215_01.0113.C10
Gene No.	54721	Strand	+
Start	161	End	295
Name	OJ991215_01.0113.C10.o1.gs	Method	GENSCAN
Start	161	End	295
GI	none	Score	.92
Exons	161..295		
Seq. No.	26369	Seq. ID	OJ991215_01.0113.C11
Gene No.	54722	Strand	-
Start	54	End	285
Name	OJ991215_01.0113.C11.o1.gs	Method	GENSCAN
Start	54	End	285
GI	none	Score	.89
Exons	54..95, 187..285		
Seq. No.	26369	Seq. ID	OJ991215_01.0113.C11
Gene No.	54723	Strand	-
Start	1034	End	1334
Name	OJ991215_01.0113.C11.o2.gs	Method	GENSCAN
Start	1034	End	1334
GI	none	Score	.55

Exons	1034..1110, 1244..1334		
Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54724	Strand	+
Start	14508	End	22385
Name	OJ991215_01.0113.C12.o2.np	Method	AAT/NAP
Start	14508	End	22385
GI	5922631	Score	4929
Exons	14508..14632, 17819..18063, 18322..18529, 18575..19139, 19182..19332, 19459..20386, 20993..22385		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54724	Strand	+
Start	14508	End	22385
Name	OJ991215_01.0113.C12.o3.gs	Method	GENSCAN
Start	14508	End	19694
GI	none	Score	.83
Exons	14508..14989, 15729..15811, 16615..16926, 17860..18544, 18575..19694		
Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54724	Strand	+
Start	14508	End	22385
Name	OJ991215_01.0113.C12.o4.gs	Method	GENSCAN
Start	20086	End	22299
GI	none	Score	.47
Exons	20086..20378, 20475..21513, 21700..22003, 22106..22299		
Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54725	Strand	-
Start	204	End	3010
Name	OJ991215_01.0113.C12.o1.gs	Method	GENSCAN
Start	204	End	3010
GI	none	Score	.75
Exons	204..530, 629..727, 2879..3010		
Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54725	Strand	-
Start	204	End	3010
Name	OJ991215_01.0113.C12.o1.np	Method	AAT/NAP
Start	255	End	2984
GI	6648206	Score	179
Exons	255..527, 629..727, 2879..2984		
GI Descrip.	(AC013483) putative GTPase activating protein [Arabidopsis thaliana]		
Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54726	Strand	-
Start	14914	End	15177
Name	OJ991215_01.0113.C12.o2.gp	Method	AAT/GAP

Start	14914	End	15177
GI	61605_3.R1084	Score	399
Exons	14914..15177		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54727	Strand	-
Start	16153	End	16889
Name	OJ991215_01.0113.C12.o3.gp	Method	AAT/GAP
Start	16153	End	16889
GI	101153_1.R1084	Score	688
Exons	16153..16383, 16706..16889		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54728	Strand	
Start	18743	End	19145
Name	OJ991215_01.0113.C12.o5.tw	Method	TBLASTX:Wheat
Start	18743	End	19145
GI	none	Score	275
Exons	18743..19012, 18744..19145		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54729	Strand	
Start	19726	End	20400
Name	OJ991215_01.0113.C12.o4.tw	Method	TBLASTX:Wheat
Start	19726	End	20400
GI	none	Score	135
Exons	19726..19902, 19728..19835, 19947..20183, 19951..20181, 20230..20400		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54730	Strand	
Start	20403	End	20889
Name	OJ991215_01.0113.C12.o1.tw	Method	TBLASTX:Wheat
Start	20403	End	20858
GI	none	Score	481
Exons	20403..20858, 20404..20856		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54730	Strand	
Start	20403	End	20889
Name	OJ991215_01.0113.C12.o3.ts	Method	TBLASTX:Soybean
Start	20443	End	20808
GI	none	Score	138
Exons	20443..20667, 20674..20808		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54730	Strand	
Start	20403	End	20889
Name	OJ991215_01.0113.C12.o2.tm	Method	TBLASTX:Maize
Start	20533	End	20889
GI	none	Score	369
Exons	20533..20889, 20574..20879		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54731	Strand	
Start	20974	End	21687
Name	OJ991215_01.0113.C12.o2.tw	Method	TBLASTX:Wheat
Start	20974	End	21398
GI	none	Score	433
Exons	20974..21393, 21018..21398		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54731	Strand	
Start	20974	End	21687
Name	OJ991215_01.0113.C12.o1.ts	Method	TBLASTX:Soybean
Start	21022	End	21453
GI	none	Score	311
Exons	21022..21453, 21069..21212, 21249..21419		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54731	Strand	
Start	20974	End	21687
Name	OJ991215_01.0113.C12.o1.tm	Method	TBLASTX:Maize
Start	21120	End	21540
GI	none	Score	83
Exons	21120..21335, 21120..21374, 21121..21375, 21121..21378, 21397..21540		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54731	Strand	
Start	20974	End	21687
Name	OJ991215_01.0113.C12.o6.tw	Method	TBLASTX:Wheat
Start	21403	End	21687
GI	none	Score	257
Exons	21403..21684, 21412..21510, 21592..21687		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54732	Strand	
Start	21679	End	22110
Name	OJ991215_01.0113.C12.o2.ts	Method	TBLASTX:Soybean
Start	21679	End	22067
GI	none	Score	76
Exons	21679..21783, 21819..22067, 21823..22065		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54732	Strand	
Start	21679	End	22110
Name	OJ991215_01.0113.C12.o3.tw	Method	TBLASTX:Wheat
Start	21688	End	22110
GI	none	Score	387
Exons	21688..22110, 21693..22034		

Seq. No.	26370	Seq. ID	OJ991215_01.0113.C12
Gene No.	54732	Strand	
Start	21679	End	22110
Name	OJ991215_01.0113.C12.o3.tm	Method	TBLASTX:Maize
Start	21742	End	22014
GI	none	Score	122
Exons	21742..21912, 21916..22014		

Seq. No.	26371	Seq. ID	OJ991215_01.0113.C13
Gene No.	54733	Strand	+
Start	1	End	783
Name	OJ991215_01.0113.C13.o1.np	Method	AAT/NAP
Start	1	End	780
GI	5902445	Score	1240
Exons	1..780		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	26371	Seq. ID	OJ991215_01.0113.C13
Gene No.	54733	Strand	+
Start	1	End	783
Name	OJ991215_01.0113.C13.o1.gs	Method	GENSCAN
Start	214	End	783
GI	none	Score	.89
Exons	214..309, 460..783		

Seq. No.	26371	Seq. ID	OJ991215_01.0113.C13
Gene No.	54734	Strand	-
Start	1114	End	4043
Name	OJ991215_01.0113.C13.o2.tm	Method	TBLASTX:Maize
Start	114	End	387
GI	none	Score	94
Exons	114..221, 115..213, 204..263, 208..291, 301..387		

Seq. No.	26371	Seq. ID	OJ991215_01.0113.C13
Gene No.	54734	Strand	-
Start	1114	End	4043
Name	OJ991215_01.0113.C13.o1.tw	Method	TBLASTX:Wheat
Start	157	End	771
GI	none	Score	341
Exons	157..648, 177..263, 318..446, 640..771		

Seq. No.	26371	Seq. ID	OJ991215_01.0113.C13
Gene No.	54734	Strand	-
Start	1114	End	4043
Name	OJ991215_01.0113.C13.o1.tm	Method	TBLASTX:Maize
Start	478	End	732
GI	none	Score	161
Exons	478..651, 576..650, 630..731, 631..732		

Seq. No.	26371	Seq. ID	OJ991215_01.0113.C13
Gene No.	54734	Strand	-
Start	1114	End	4043
Name	OJ991215_01.0113.C13.o2.gs	Method	GENSCAN
Start	1114	End	4043
GI	none	Score	.95
Exons	1114..1268, 1348..1563, 1813..2002, 2077..2264, 2342..2700, 2783..3102, 3159..4043		

Seq. No.	26371	Seq. ID	OJ991215_01.0113.C13
Gene No.	54734	Strand	-
Start	1114	End	4043
Name	OJ991215_01.0113.C13.o2.np	Method	AAT/NAP
Start	1126	End	4043
GI	6691716	Score	2469
Exons	1126..1563, 1637..1751, 1901..2002, 2077..2264, 2342..2521,		

	2598..2700, 2783..2961, 3159..4043		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	26371	Seq. ID	OJ991215_01.0113.C13
Gene No.	54734	Strand	-
Start	1114	End	4043
Name	OJ991215_01.0113.C13.o2.tw	Method	TBLASTX:Wheat
Start	3633	End	3923
GI	none	Score	52
Exons	3633..3923, 3670..3738		
Seq. No.	26372	Seq. ID	OJ991215_01.0113.C14
Gene No.	54735	Strand	-
Start	66	End	731
Name	OJ991215_01.0113.C14.o1.gs	Method	GENSCAN
Start	66	End	731
GI	none	Score	.74
Exons	66..179, 677..731		
Seq. No.	26373	Seq. ID	OJ991215_01.0113.C15
Gene No.	54736	Strand	+
Start	1	End	3415
Name	OJ991215_01.0113.C15.o1.gp	Method	AAT/GAP
Start	1	End	167
GI	none	Score	268
Exons	1..167		
Seq. No.	26373	Seq. ID	OJ991215_01.0113.C15
Gene No.	54736	Strand	+
Start	1	End	3415
Name	OJ991215_01.0113.C15.o1.np	Method	AAT/NAP
Start	1	End	3415
GI	6862951	Score	428
Exons	1..231, 3190..3415		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		
Seq. No.	26373	Seq. ID	OJ991215_01.0113.C15
Gene No.	54737	Strand	+
Start	3448	End	3910
Name	OJ991215_01.0113.C15.o3.gp	Method	AAT/GAP
Start	3448	End	3910
GI	3768859	Score	761
Exons	3448..3910		
GI Descrip.	755772/emb|X85747|OS1A1COX 1.0e-158 O.sativa mRNA for 1-aminocyclopropane-1-carboxylate oxidase		
Seq. No.	26373	Seq. ID	OJ991215_01.0113.C15
Gene No.	54738	Strand	-
Start	37	End	3511
Name	OJ991215_01.0113.C15.o1.gs	Method	GENSCAN
Start	37	End	3511
GI	none	Score	.56
Exons	37..162, 2340..2432, 3196..3511		
Seq. No.	26373	Seq. ID	OJ991215_01.0113.C15

Gene No.	54739	Strand	-
Start	5398	End	7900
Name	OJ991215_01.0113.C15.o1.ts	Method	TBLASTX:Soybean
Start	26	End	3451
GI	none	Score	72
Exons	26..85, 142..219, 152..232, 3167..3379, 3196..3384, 3197..3451		

Seq. No.	26373	Seq. ID	OJ991215_01.0113.C15
Gene No.	54739	Strand	-
Start	5398	End	7900
Name	OJ991215_01.0113.C15.o1.tw	Method	TBLASTX:Wheat
Start	145	End	3453
GI	none	Score	141
Exons	145..255, 152..232, 3180..3305, 3190..3414, 3191..3451, 3352..3453, 3381..3443		

Seq. No.	26373	Seq. ID	OJ991215_01.0113.C15
Gene No.	54739	Strand	-
Start	5398	End	7900
Name	OJ991215_01.0113.C15.o1.tm	Method	TBLASTX:Maize
Start	172	End	3657
GI	none	Score	98
Exons	172..255, 173..232, 3173..3451, 3191..3451, 3542..3571, 3604..3657		

Seq. No.	26373	Seq. ID	OJ991215_01.0113.C15
Gene No.	54739	Strand	-
Start	5398	End	7900
Name	OJ991215_01.0113.C15.o2.gs	Method	GENSCAN
Start	5398	End	7900
GI	none	Score	.55
Exons	5398..5519, 5992..6273, 6555..6619, 6642..6710, 7655..7775, 7805..7900		

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54740	Strand	+
Start	72	End	10145
Name	OJ991215_01.0113.C16.o1.gs	Method	GENSCAN
Start	72	End	10071
GI	none	Score	.78
Exons	72..412, 561..588, 1672..1774, 2353..2503, 2698..2805, 2953..3045, 3172..3255, 3643..3737, 3895..3988, 4106..4195, 4548..4640, 5036..5103, 8120..8366, 8465..8723, 8794..9257, 9619..10071		

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54740	Strand	+
Start	72	End	10145
Name	OJ991215_01.0113.C16.o1.np	Method	AAT/NAP
Start	116	End	5328
GI	3913791	Score	1585
Exons	116..178, 1638..1774, 2353..2503, 2698..2805, 2953..3045, 3172..3255, 3363..3431, 3525..3595, 3669..3737, 3895..3988, 4106..4195, 4290..4370, 4548..4640, 4860..4940, 5036..5102, 5240..5328		
GI Descrip.	GLUTAMATE--CYSTEINE LIGASE PRECURSOR (GAMMA-GLUTAMYLCYSTEINE SYNTHETASE) (GAMMA-ECS) (GCS) gi|2407615 (AF017983)		

gamma-glutamylcysteine synthetase [Lycopersicon esculentum]

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54740	Strand	+
Start	72	End	10145
Name	OJ991215_01.0113.C16.o1.gp	Method	AAT/GAP
Start	3557	End	5516
GI	13141_1.R1084	Score	1495
Exons	3557..3595, 3669..3737, 3895..3988, 4106..4195, 4290..4370, 4548..4640, 4860..4940, 5036..5103, 5243..5516		
GI Descrip.	'2811029/sp|O04866|ARGD_ALNGL 1.0e-09 ACETYLORNITHINE AMINOTRANSFERASE PRECURSOR (ACOAT) (ACETYLORNITHINE TRANSAMINASE) (AOTA) >gi_1944511_emb_CAA69936_ (Y08680) acetylornithine aminotransferase [Alnus glutinosa]'		

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54740	Strand	+
Start	72	End	10145
Name	OJ991215_01.0113.C16.o2.np	Method	AAT/NAP
Start	8210	End	10145
GI	2811029	Score	1308
Exons	8210..8296, 8421..8723, 8830..9257, 9619..10145		
GI Descrip.	ACETYLORNITHINE AMINOTRANSFERASE PRECURSOR (ACOAT) (ACETYLORNITHINE TRANSAMINASE) (AOTA) gi|1944511|emb|CAA69936| (Y08680) acetylornithine aminotransferase [Alnus glutinosa]		

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54740	Strand	+
Start	72	End	10145
Name	OJ991215_01.0113.C16.o3.gp	Method	AAT/GAP
Start	9633	End	9806
GI	2796278	Score	317
Exons	9633..9806		
GI Descrip.	2811029/sp|O04866|ARGD_ALNGL 1.0e-09 ACETYLORNITHINE AMINOTRANSFERASE PRECURSOR (ACOAT) (ACETYLORNITHINE TRANSAMINASE) (AOTA) >gi_1944511_emb_CAA69936_ (Y08680) acetylornithine aminotransferase [Alnus glutinosa]		

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54741	Strand	-
Start	5403	End	5867
Name	OJ991215_01.0113.C16.o2.gp	Method	AAT/GAP
Start	5403	End	5867
GI	2800691	Score	701
Exons	5403..5867		

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o2.tc	Method	TBLASTX:Cress
Start	1676	End	5331
GI	none	Score	122
Exons	1676..1786, 1683..1787, 2348..2503, 2350..2502, 2694..2819, 2695..2820, 2950..3045, 2953..3045, 3168..3260, 3171..3257, 3172..3264, 3329..3439, 3357..3440, 3510..3593, 3524..3595, 3639..3743, 3666..3740, 3667..3759, 3877..3987, 3893..3988, 3896..3988, 4103..4198, 4117..4200, 4287..4373, 4288..4389,		

4289..4372, 4547..4642, 4548..4643, 4859..4927, 4860..4940,
5027..5098, 5037..5093, 5241..5327, 5242..5331

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o3.ts	Method	TBLASTX:Soybean
Start	1676	End	3988
GI	none	Score	127

Exons 1676..1786, 1683..1787, 2350..2502, 2351..2503, 2351..2503,
2694..2819, 2695..2820, 2950..3045, 2953..3045, 3169..3255,
3170..3256, 3171..3260, 3172..3264, 3335..3439, 3357..3440,
3510..3593, 3524..3595, 3657..3740, 3664..3792, 3666..3743,
3667..3759, 3877..3975, 3893..3988, 3896..3988

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o3.tm	Method	TBLASTX:Maize
Start	1706	End	5709
GI	none	Score	126

Exons 1706..1780, 1707..1781, 1736..1798, 2350..2502, 2351..2503,
2351..2503, 2352..2504, 2694..2798, 2695..2808, 2760..2813,
2950..3045, 2951..3046, 2953..3045, 3168..3260, 3170..3256,
3171..3257, 3172..3264, 3329..3439, 3357..3446, 3510..3593,
3524..3595, 3666..3740, 3666..3743, 3667..3759, 3877..3993,
3896..3988, 4103..4198, 4105..4197, 4106..4198, 4287..4373,
4289..4372, 4547..4642, 4548..4643, 4858..4938, 4859..4939,
4860..4940, 5027..5098, 5033..5095, 5035..5103, 5240..5332,
5241..5336, 5242..5334, 5605..5667, 5608..5637, 5664..5699,
5665..5709

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o1.tw	Method	TBLASTX:Wheat
Start	3897	End	4901
GI	none	Score	157

Exons 3897..3989, 3898..3993, 3899..3988, 4103..4198, 4104..4196,
4105..4197, 4106..4216, 4287..4373, 4289..4372, 4546..4641,
4547..4642, 4548..4643, 4859..4900, 4860..4901

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o5.ts	Method	TBLASTX:Soybean
Start	4103	End	4373
GI	none	Score	145

Exons 4103..4198, 4104..4196, 4105..4197, 4106..4198, 4287..4373,
4289..4372

Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o5.tm	Method	TBLASTX:Maize
Start	8465	End	8734
GI	none	Score	299

Exons	8465..8734, 8489..8596, 8506..8718		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o3.tc	Method	TBLASTX:Cress
Start	8468	End	8734
GI	none	Score	287
Exons	8468..8734, 8509..8715		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o6.ts	Method	TBLASTX:Soybean
Start	8639	End	8966
GI	none	Score	83
Exons	8639..8734, 8825..8965, 8826..8966		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o3.np	Method	AAT/NAP
Start	8686	End	12267
GI	4467124	Score	821
Exons	8686..8711, 10196..11924, 12135..12267		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o2.tm	Method	TBLASTX:Maize
Start	8823	End	9254
GI	none	Score	176
Exons	8823..8939, 8825..8965, 8826..8966, 8954..9253, 8955..9254		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o4.ts	Method	TBLASTX:Soybean
Start	8988	End	9729
GI	none	Score	338
Exons	8988..9260, 8999..9259, 9616..9729, 9618..9728		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o1.tm	Method	TBLASTX:Maize
Start	9612	End	10060
GI	none	Score	182
Exons	9612..9944, 9612..10058, 9613..10059, 9893..10060		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o1.tc	Method	TBLASTX:Cress
Start	9616	End	10079
GI	none	Score	54

Exons	9616..9648, 9618..9644, 9646..9726, 9669..9722, 9684..9776, 9700..9777, 9778..10059, 9778..10059, 9780..10079		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o4.tw	Method	TBLASTX:Wheat
Start	9646	End	9975
GI	none	Score	181
Exons	9646..9975		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o2.ts	Method	TBLASTX:Soybean
Start	9733	End	10115
GI	none	Score	409
Exons	9733..10059, 9735..10115		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o2.gs	Method	GENSCAN
Start	10164	End	13714
GI	none	Score	.49
Exons	10164..11502, 11782..12195, 12743..13211, 13306..13714		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o4.tm	Method	TBLASTX:Maize
Start	10551	End	11162
GI	none	Score	71
Exons	10551..10835, 10600..10797, 10662..10802, 10848..11144, 10876..11145, 10881..11162		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o2.tw	Method	TBLASTX:Wheat
Start	10599	End	11036
GI	none	Score	41
Exons	10599..11036, 10690..10785, 10855..11034		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o1.ts	Method	TBLASTX:Soybean
Start	10638	End	11205
GI	none	Score	161
Exons	10638..11204, 10686..11204, 10882..11205		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o4.tc	Method	TBLASTX:Cress
Start	10950	End	11291

GI	none	Score	81
Exons	10950..11291, 10975..11175		
Seq. No.	26374	Seq. ID	OJ991215_01.0113.C16
Gene No.	54742	Strand	-
Start	8686	End	13714
Name	OJ991215_01.0113.C16.o3.tw	Method	TBLASTX:Wheat
Start	11100	End	11327
GI	none	Score	106
Exons	11100..11327, 11101..11307		
Seq. No.	26375	Seq. ID	OJ991215_01.0113.C17
Gene No.	54743	Strand	
Start	1249	End	1492
Name	OJ991215_01.0113.C17.o1.tm	Method	TBLASTX:Maize
Start	1249	End	1492
GI	none	Score	143
Exons	1249..1479, 1249..1482, 1256..1492		
Seq. No.	26376	Seq. ID	OJ991215_01.0113.C18
Gene No.	54744	Strand	+
Start	104	End	1147
Name	OJ991215_01.0113.C18.o1.gs	Method	GENSCAN
Start	104	End	1147
GI	none	Score	.7
Exons	104..264, 342..471, 937..1147		
Seq. No.	26376	Seq. ID	OJ991215_01.0113.C18
Gene No.	54745	Strand	+
Start	1050	End	1207
Name	OJ991215_01.0113.C18.o1.tm	Method	TBLASTX:Maize
Start	101	End	1005
GI	none	Score	214
Exons	101..268, 104..265, 106..276, 111..278, 112..279, 307..492, 321..500, 337..513, 496..567, 536..604, 537..605, 732..797, 886..1005, 896..997		
Seq. No.	26376	Seq. ID	OJ991215_01.0113.C18
Gene No.	54745	Strand	+
Start	1050	End	1207
Name	OJ991215_01.0113.C18.o1.gp	Method	AAT/GAP
Start	1050	End	1207
GI	none	Score	290
Exons	1050..1207		
Seq. No.	26377	Seq. ID	OJ991215_01.0113.C19
Gene No.	54746	Strand	+
Start	23	End	1071
Name	OJ991215_01.0113.C19.o1.gs	Method	GENSCAN
Start	23	End	1071
GI	none	Score	.6
Exons	23..88, 1012..1071		
Seq. No.	26377	Seq. ID	OJ991215_01.0113.C19
Gene No.	54747	Strand	+
Start	3612	End	8198
Name	OJ991215_01.0113.C19.o2.gp	Method	AAT/GAP

Start	3568	End	3943
GI	none	Score	740
Exons	3568..3943		

Seq. No.	26377	Seq. ID	OJ991215_01.0113.C19
Gene No.	54747	Strand	+
Start	3612	End	8198
Name	OJ991215_01.0113.C19.o2.gs	Method	GENSCAN
Start	3612	End	8198
GI	none	Score	.4
Exons	3612..4081, 4219..4372, 4441..4937, 6691..6958, 6963..7120, 8125..8198		

Seq. No.	26377	Seq. ID	OJ991215_01.0113.C19
Gene No.	54747	Strand	+
Start	3612	End	8198
Name	OJ991215_01.0113.C19.o1.np	Method	AAT/NAP
Start	3651	End	5007
GI	4454472	Score	450
Exons	3651..3909, 4006..4081, 4219..4372, 4474..5007		
GI Descrip.	(AC006234) unknown protein [Arabidopsis thaliana]		

Seq. No.	26377	Seq. ID	OJ991215_01.0113.C19
Gene No.	54747	Strand	+
Start	3612	End	8198
Name	OJ991215_01.0113.C19.o3.gp	Method	AAT/GAP
Start	4951	End	5253
GI	uC-osflcyp106a12a1	Score	460
Exons	4951..5253		
GI Descrip.	'2811029/sp|O04866|ARGD_ALNGL 1.0e-09 ACETYLORNITHINE AMINOTRANSFERASE PRECURSOR (ACOAT) (ACETYLORNITHINE TRANSAMINASE) (AOTA) >gi_1944511_emb_CAA69936_ (Y08680) acetylornithine aminotransferase [Alnus glutinosa]'		

Seq. No.	26377	Seq. ID	OJ991215_01.0113.C19
Gene No.	54748	Strand	-
Start	356	End	808
Name	OJ991215_01.0113.C19.o1.gp	Method	AAT/GAP
Start	356	End	808
GI	none	Score	821
Exons	356..808		

Seq. No.	26377	Seq. ID	OJ991215_01.0113.C19
Gene No.	54749	Strand	
Start	4029	End	4719
Name	OJ991215_01.0113.C19.o1.tm	Method	TBLASTX:Maize
Start	4029	End	4719
GI	none	Score	65
Exons	4029..4082, 4276..4380, 4298..4375, 4429..4599, 4464..4592, 4614..4718, 4618..4719		

Seq. No.	26377	Seq. ID	OJ991215_01.0113.C19
Gene No.	54749	Strand	
Start	4029	End	4719
Name	OJ991215_01.0113.C19.o1.ts	Method	TBLASTX:Soybean
Start	4276	End	4719
GI	none	Score	86

Exons	4276..4371, 4298..4375, 4429..4596, 4464..4574, 4624..4719, 4629..4718		
Seq. No.	26377	Seq. ID	OJ991215_01.0113.C19
Gene No.	54749	Strand	
Start	4029	End	4719
Name	OJ991215_01.0113.C19.o1.tc	Method	TBLASTX:Cress
Start	4471	End	4718
GI	none	Score	135
Exons	4471..4599, 4473..4598, 4624..4713, 4629..4718		
Seq. No.	26378	Seq. ID	OJ991215_03.0128.C4
Gene No.	54750	Strand	-
Start	1	End	616
Name	OJ991215_03.0128.C4.o1.np	Method	AAT/NAP
Start	1	End	616
GI	4063774	Score	752
Exons	1..616		
GI Descrip.	(AB008550) orf2; similar to P gene of P2 :DNA-dependent ATPase terminase subunit [Pseudomonas aeruginosa phage phi CTX]		
Seq. No.	26378	Seq. ID	OJ991215_03.0128.C4
Gene No.	54750	Strand	-
Start	1	End	616
Name	OJ991215_03.0128.C4.o1.gs	Method	GENSCAN
Start	183	End	572
GI	none	Score	.8
Exons	183..572		
Seq. No.	26379	Seq. ID	OJ991215_03.0128.C5
Gene No.	54751	Strand	+
Start	947	End	1576
Name	OJ991215_03.0128.C5.o1.gs	Method	GENSCAN
Start	947	End	1576
GI	none	Score	.62
Exons	947..1091, 1113..1174, 1400..1576		
Seq. No.	26380	Seq. ID	OJ991215_03.0128.C6
Gene No.	54752	Strand	-
Start	176	End	562
Name	OJ991215_03.0128.C6.o1.gs	Method	GENSCAN
Start	176	End	562
GI	none	Score	.7
Exons	176..562		
Seq. No.	26381	Seq. ID	OJ991215_03.0128.C7
Gene No.	54753	Strand	-
Start	1	End	180
Name	OJ991215_03.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	180
GI	3176662	Score	156
Exons	1..180		
GI Descrip.	(AC004393) Similar to mannosyl-oligosaccharide glucosidase gb|X87237 from Homo sapiens. [Arabidopsis thaliana]		
Seq. No.	26382	Seq. ID	OJ991215_03.0128.C9
Gene No.	54754	Strand	+

Start	3744	End	5920
Name	OJ991215_03.0128.C9.o2.gs	Method	GENSCAN
Start	3744	End	5920
GI	none	Score	.69
Exons	3744..3951, 3988..4101, 4164..4232, 5904..5920		

Seq. No.	26382	Seq. ID	OJ991215_03.0128.C9
Gene No.	54755	Strand	+
Start	6448	End	8498
Name	OJ991215_03.0128.C9.o1.gp	Method	AAT/GAP
Start	6337	End	7000
GI	none	Score	806
Exons	6337..6713, 6953..7000		

Seq. No.	26382	Seq. ID	OJ991215_03.0128.C9
Gene No.	54755	Strand	+
Start	6448	End	8498
Name	OJ991215_03.0128.C9.o3.gs	Method	GENSCAN
Start	6448	End	7951
GI	none	Score	.96
Exons	6448..6860, 6953..7115, 7214..7951		

Seq. No.	26382	Seq. ID	OJ991215_03.0128.C9
Gene No.	54755	Strand	+
Start	6448	End	8498
Name	OJ991215_03.0128.C9.o1.np	Method	AAT/NAP
Start	6468	End	8498
GI	2760321	Score	896
Exons	6468..6713, 6953..7115, 7214..7687, 7739..7927, 8421..8498		
GI Descrip.	(AC002130) F1N21.6 [Arabidopsis thaliana]		

Seq. No.	26382	Seq. ID	OJ991215_03.0128.C9
Gene No.	54756	Strand	-
Start	11135	End	11229
Name	OJ991215_03.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	6932	End	7924
GI	none	Score	185
Exons	6932..7120, 6933..7115, 7214..7489, 7316..7411, 7405..7488, 7591..7686, 7607..7687, 7771..7905, 7829..7924		

Seq. No.	26382	Seq. ID	OJ991215_03.0128.C9
Gene No.	54756	Strand	-
Start	11135	End	11229
Name	OJ991215_03.0128.C9.o1.tc	Method	TBLASTX:Cress
Start	7019	End	7435
GI	none	Score	118
Exons	7019..7120, 7020..7115, 7214..7435		

Seq. No.	26382	Seq. ID	OJ991215_03.0128.C9
Gene No.	54756	Strand	-
Start	11135	End	11229
Name	OJ991215_03.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	7059	End	7489
GI	none	Score	71
Exons	7059..7115, 7061..7120, 7213..7239, 7214..7489, 7310..7357, 7399..7485		

Seq. No.	26382	Seq. ID	OJ991215_03.0128.C9
Gene No.	54756	Strand	-
Start	11135	End	11229
Name	OJ991215_03.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	7214	End	7489
GI	none	Score	239
Exons	7214..7489, 7310..7411, 7402..7488		

Seq. No.	26382	Seq. ID	OJ991215_03.0128.C9
Gene No.	54756	Strand	-
Start	11135	End	11229
Name	OJ991215_03.0128.C9.o2.gp	Method	AAT/GAP
Start	11135	End	11229
GI	4879971	Score	93
Exons	11135..11229		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54757	Strand	+
Start	91	End	896
Name	OJ991215_03.0128.C10.o1.gs	Method	GENSCAN
Start	91	End	896
GI	none	Score	.85
Exons	91..146, 364..503, 736..896		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54758	Strand	+
Start	12244	End	14652
Name	OJ991215_03.0128.C10.o2.np	Method	AAT/NAP
Start	12244	End	14652
GI	6523084	Score	1026
Exons	12244..12295, 13131..13507, 13541..14103, 14376..14652		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana] gi|6686786|emb|CAB64720.1| (AJ132317) AKIN gamma [Arabidopsis thaliana]		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54759	Strand	-
Start	2824	End	4246
Name	OJ991215_03.0128.C10.o2.gs	Method	GENSCAN
Start	2824	End	4246
GI	none	Score	.87
Exons	2824..2911, 3325..3463, 3965..3993, 4161..4246		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54760	Strand	-
Start	8860	End	12546
Name	OJ991215_03.0128.C10.o1.gp	Method	AAT/GAP
Start	8860	End	11077
GI	4287_1.R1084	Score	1313
Exons	8860..9358, 10385..10465, 10753..10800, 10981..11077		
GI Descrip.	'100226/pir||S21495 2.0e-23 hypothetical protein - tomato >gi_19275_emb_CAA78112_ (Z12127) protein of unknown function [Lycopersicon esculentum] >gi_445619_prf__1909366A Leu zipper protein [Lycopersicon esculentum]'		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54760	Strand	-

Start	8860	End	12546
Name	OJ991215_03.0128.C10.o1.np	Method	AAT/NAP
Start	9224	End	12546
GI	1524370	Score	461
Exons	9224..9358, 10382..10465, 10753..10800, 10981..11150, 12225..12303, 12451..12546		
GI Descrip.	(X92491) TOM20 [Solanum tuberosum]		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54761	Strand	-
Start	15123	End	18335
Name	OJ991215_03.0128.C10.o2.gp	Method	AAT/GAP
Start	15123	End	16610
GI	3767991	Score	1316
Exons	15123..15145, 15218..15581, 16283..16610		
GI Descrip.	4587550/gb|AAD25781.1|AC006577_17 1.0e-23 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54761	Strand	-
Start	15123	End	18335
Name	OJ991215_03.0128.C10.o3.np	Method	AAT/NAP
Start	16296	End	18073
GI	6730754	Score	891
Exons	16296..18073		
GI Descrip.	(AC016529) unknown protein [Arabidopsis thaliana]		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54761	Strand	-
Start	15123	End	18335
Name	OJ991215_03.0128.C10.o4.gs	Method	GENSCAN
Start	16309	End	18249
GI	none	Score	.92
Exons	16309..18249		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54761	Strand	-
Start	15123	End	18335
Name	OJ991215_03.0128.C10.o3.gp	Method	AAT/GAP
Start	16633	End	17063
GI	568407	Score	817
Exons	16633..17063		
GI Descrip.	100226/pir||S21495 2.0e-23 hypothetical protein - tomato >gi_19275_emb_CAA78112_ (Z12127) protein of unknown function [Lycopersicon esculentum] >gi_445619_prf__1909366A Leu zipper protein [Lycopersicon esculentum]		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54761	Strand	-
Start	15123	End	18335
Name	OJ991215_03.0128.C10.o4.gp	Method	AAT/GAP
Start	17371	End	18335
GI	3761668	Score	590
Exons	17371..17484, 18070..18335		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-

Start	19052	End	45741
Name	OJ991215_03.0128.C10.o10.tm	Method	TBLASTX:Maize
Start	9088	End	12645
GI	none	Score	49
Exons	9088..9180, 9246..9350, 10387..10467, 10391..10471, 10397..10471, 10753..10800, 10962..11153, 10973..11152, 10990..11166, 12195..12296, 12205..12315, 12230..12301, 12235..12306, 12451..12543, 12451..12525, 12473..12553, 12483..12554, 12613..12645		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o1.ts	Method	TBLASTX:Soybean
Start	13094	End	14092
GI	none	Score	81
Exons	13094..13189, 13142..13189, 13193..13267, 13286..13468, 13294..13449, 13574..13681, 13633..13680, 13673..13954, 13675..13998, 13679..13999, 14008..14091, 14018..14092		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o3.tc	Method	TBLASTX:Cress
Start	13144	End	13441
GI	none	Score	73
Exons	13144..13185, 13145..13189, 13199..13291, 13283..13441, 13285..13440		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o2.tm	Method	TBLASTX:Maize
Start	13145	End	14655
GI	none	Score	68
Exons	13145..13189, 13145..13189, 13199..13273, 13283..13468, 13288..13443, 13541..14008, 13618..14007, 14437..14655, 14445..14651		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o5.tc	Method	TBLASTX:Cress
Start	13604	End	13893
GI	none	Score	220
Exons	13604..13792, 13618..13776, 13799..13843, 13819..13893		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o4.tc	Method	TBLASTX:Cress
Start	14380	End	14663
GI	none	Score	238
Exons	14380..14658, 14448..14663		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-

Start	19052	End	45741
Name	OJ991215_03.0128.C10.o8.ts	Method	TBLASTX:Soybean
Start	14442	End	14664
GI	none	Score	219
Exons	14442..14651, 14443..14664		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o1.tm	Method	TBLASTX:Maize
Start	16295	End	16908
GI	none	Score	193
Exons	16295..16507, 16295..16492, 16309..16506, 16505..16894, 16506..16889, 16507..16908, 16511..16894, 16849..16902		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o4.ts	Method	TBLASTX:Soybean
Start	16354	End	16686
GI	none	Score	105
Exons	16354..16599, 16373..16555, 16576..16686		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o2.tc	Method	TBLASTX:Cress
Start	16459	End	17028
GI	none	Score	53
Exons	16459..16599, 16460..16555, 16576..16740, 16616..16741, 16741..16890, 16936..17028		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o2.tw	Method	TBLASTX:Wheat
Start	16474	End	16848
GI	none	Score	83
Exons	16474..16593, 16591..16848, 16618..16794		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o3.ts	Method	TBLASTX:Soybean
Start	16774	End	17313
GI	none	Score	67
Exons	16774..16890, 16933..17112, 16933..17139, 16961..17140, 17146..17289, 17164..17313, 17208..17312		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o3.tm	Method	TBLASTX:Maize
Start	16909	End	17526
GI	none	Score	263
Exons	16909..17508, 16930..17526, 16961..17521		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o7.ts	Method	TBLASTX:Soybean
Start	17344	End	17572
GI	none	Score	77
Exons	17344..17571, 17414..17572		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o5.gs	Method	GENSCAN
Start	19052	End	38397
GI	none	Score	.77
Exons	19052..19149, 20224..20314, 20824..20984, 21009..21162, 21318..21413, 21568..21864, 22609..22669, 22773..22924, 22961..23190, 24275..24355, 24804..24874, 25602..25693, 25787..25933, 26023..26079, 26678..26827, 27035..27102, 28140..28265, 28563..28636, 28964..29139, 29277..29432, 29665..29747, 30023..30119, 30244..30312, 30428..30514, 30656..30830, 31062..31313, 31664..31751, 32286..32605, 33747..33825, 35445..35495, 35960..36000, 37160..37656, 37733..38080, 38170..38397		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o1.tc	Method	TBLASTX:Cress
Start	20767	End	21165
GI	none	Score	44
Exons	20767..21165, 20780..20866, 20908..21165		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o6.ts	Method	TBLASTX:Soybean
Start	20773	End	21060
GI	none	Score	86
Exons	20773..20961, 20773..21060		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o4.tm	Method	TBLASTX:Maize
Start	20851	End	21140
GI	none	Score	194
Exons	20851..21138, 20852..21004, 20853..21140		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o1.tw	Method	TBLASTX:Wheat
Start	20875	End	21165
GI	none	Score	85
Exons	20875..21165, 21083..21160		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10

Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o5.gp	Method	AAT/GAP
Start	22876	End	23188
GI	none	Score	606
Exons	22876..23188		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o2.ts	Method	TBLASTX:Soybean
Start	24689	End	25216
GI	none	Score	153
Exons	24689..24874, 24692..24874, 24721..24876, 24739..24876, 24807..24881, 24959..25036, 24962..25030, 25132..25215, 25133..25216		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o7.tm	Method	TBLASTX:Maize
Start	24689	End	25190
GI	none	Score	153
Exons	24689..24874, 24692..24874, 24721..24876, 24739..24876, 24807..24881, 24959..25036, 24962..25030, 25132..25185, 25133..25189, 25134..25190		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o4.np	Method	AAT/NAP
Start	24730	End	32511
GI	6382536	Score	1931
Exons	24730..24874, 24966..25029, 25132..25241, 25602..25693, 25787..25933, 26023..26191, 26678..26827, 27035..27102, 28140..28265, 28563..28636, 28729..28836, 28964..29093, 29285..29384, 29665..29747, 30023..30137, 30240..30312, 30428..30514, 30656..30824, 31062..31313, 31664..31737, 32194..32511		
GI Descrip.	(AC011020) putative glucosidase I [Arabidopsis thaliana]		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o5.ts	Method	TBLASTX:Soybean
Start	25784	End	28642
GI	none	Score	177
Exons	25784..25936, 25787..25936, 26014..26082, 26021..26077, 26536..26595, 26543..26596, 26676..26828, 26677..26832, 26678..26809, 27029..27103, 27030..27104, 27031..27105, 28114..28266, 28134..28265, 28135..28278, 28553..28642, 28554..28637, 28564..28638		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o9.tm	Method	TBLASTX:Maize

Start	28208	End	29709
GI	none	Score	74
Exons	28208..28267, 28210..28266, 28213..28278, 28553..28642, 28554..28637, 28564..28638, 28719..28835, 28720..28836, 28729..28836, 28730..28837, 28962..29084, 28963..29085, 28964..29092, 28979..29107, 29272..29376, 29277..29387, 29278..29376, 29662..29709		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o3.tw	Method	TBLASTX:Wheat
Start	28553	End	29391
GI	none	Score	129
Exons	28553..28642, 28554..28637, 28564..28638, 28719..28835, 28720..28836, 28729..28836, 28962..29084, 28963..29085, 28963..29085, 28964..29092, 28979..29107, 29272..29376, 29277..29387, 29280..29387, 29281..29391		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o5.np	Method	AAT/NAP
Start	36598	End	43252
GI	2827651	Score	1028
Exons	36598..36646, 37148..37587, 37700..38053, 40025..40719, 41195..41570, 43208..43252		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o6.tm	Method	TBLASTX:Maize
Start	37073	End	40467
GI	none	Score	275
Exons	37073..37306, 37081..37308, 37219..37308, 40255..40467, 40274..40426		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o10.ts	Method	TBLASTX:Soybean
Start	37108	End	40476
GI	none	Score	90
Exons	37108..37308, 37136..37306, 40246..40476, 40310..40441		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o5.tm	Method	TBLASTX:Maize
Start	37348	End	40720
GI	none	Score	270
Exons	37348..37590, 37352..37576, 40480..40551, 40480..40719, 40499..40720		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-

Start	19052	End	45741
Name	OJ991215_03.0128.C10.o6.tc	Method	TBLASTX:Cress
Start	37363	End	41335
GI	none	Score	121
Exons	37363..37587, 37700..37816, 40501..40719, 41195..41335		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o11.tm	Method	TBLASTX:Maize
Start	37700	End	41363
GI	none	Score	141
Exons	37700..37846, 37832..37879, 41193..41363, 41195..41362		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o4.tw	Method	TBLASTX:Wheat
Start	37838	End	41554
GI	none	Score	74
Exons	37838..37954, 37838..38050, 37839..38054, 41327..41554, 41343..41552		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o9.ts	Method	TBLASTX:Soybean
Start	37862	End	41542
GI	none	Score	103
Exons	37862..38047, 37866..38054, 41351..41542, 41412..41519		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o8.tm	Method	TBLASTX:Maize
Start	37881	End	41558
GI	none	Score	231
Exons	37881..38054, 37883..38080, 38267..38392, 38309..38377, 38317..38403, 41411..41545, 41418..41558		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o6.gs	Method	GENSCAN
Start	40204	End	45514
GI	none	Score	.59
Exons	40204..40719, 41195..41557, 42035..42313, 42416..42487, 45392..45514		

Seq. No.	26383	Seq. ID	OJ991215_03.0128.C10
Gene No.	54762	Strand	-
Start	19052	End	45741
Name	OJ991215_03.0128.C10.o6.np	Method	AAT/NAP
Start	43971	End	45741
GI	5922620	Score	130
Exons	43971..44074, 45573..45741		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	26384	Seq. ID	OJ991215_03.0128.C11
Gene No.	54763	Strand	-
Start	1	End	745
Name	OJ991215_03.0128.C11.o1.np	Method	AAT/NAP
Start	1	End	745
GI	3023304	Score	458
Exons	1..161, 195..745		
GI Descrip.	TUNGSTEN-CONTAINING ALDEHYDE FERREDOXIN OXIDOREDUCTASE gi|1065375|pdb|1AOR|A Pyrococcus furiosus gi|1065376|pdb|1AOR|B Pyrococcus furiosus gi|736274|emb|CAA56170| (X79777) aldehyde:ferredoxin oxidoreductase [Pyrococcus furiosus]		

Seq. No.	26384	Seq. ID	OJ991215_03.0128.C11
Gene No.	54763	Strand	-
Start	1	End	745
Name	OJ991215_03.0128.C11.o1.gs	Method	GENSCAN
Start	9	End	625
GI	none	Score	.72
Exons	9..625		

Seq. No.	26385	Seq. ID	OJ990915_11.0103.C1
Gene No.	54764	Strand	-
Start	1	End	820
Name	OJ990915_11.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	820
GI	4680179	Score	520
Exons	1..290, 324..820		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26385	Seq. ID	OJ990915_11.0103.C1
Gene No.	54764	Strand	-
Start	1	End	820
Name	OJ990915_11.0103.C1.o2.tw	Method	TBLASTX:Wheat
Start	114	End	377
GI	none	Score	65
Exons	114..272, 142..213, 153..260, 291..377, 328..372		

Seq. No.	26385	Seq. ID	OJ990915_11.0103.C1
Gene No.	54764	Strand	-
Start	1	End	820
Name	OJ990915_11.0103.C1.o1.gs	Method	GENSCAN
Start	212	End	749
GI	none	Score	.63
Exons	212..749		

Seq. No.	26385	Seq. ID	OJ990915_11.0103.C1
Gene No.	54764	Strand	-
Start	1	End	820
Name	OJ990915_11.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	579	End	815
GI	none	Score	183
Exons	579..815		

Seq. No.	26386	Seq. ID	OJ990915_11.0103.C2
Gene No.	54765	Strand	-
Start	1	End	517
Name	OJ990915_11.0103.C2.o1.gp	Method	AAT/GAP
Start	1	End	242
GI	95437_1.R1084	Score	452
Exons	1..242		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	26386	Seq. ID	OJ990915_11.0103.C2
Gene No.	54765	Strand	-
Start	1	End	517
Name	OJ990915_11.0103.C2.o1.gs	Method	GENSCAN
Start	62	End	517
GI	none	Score	.42
Exons	62..517		

Seq. No.	26387	Seq. ID	OJ990915_11.0103.C3
Gene No.	54766	Strand	+
Start	1	End	1067
Name	OJ990915_11.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	1067
GI	4680179	Score	1545
Exons	1..1067		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26387	Seq. ID	OJ990915_11.0103.C3
Gene No.	54766	Strand	+
Start	1	End	1067
Name	OJ990915_11.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	60	End	600
GI	none	Score	616
Exons	60..599, 242..595, 346..600		

Seq. No.	26387	Seq. ID	OJ990915_11.0103.C3
Gene No.	54766	Strand	+
Start	1	End	1067
Name	OJ990915_11.0103.C3.o1.gs	Method	GENSCAN
Start	108	End	537
GI	none	Score	.41
Exons	108..537		

Seq. No.	26387	Seq. ID	OJ990915_11.0103.C3
Gene No.	54766	Strand	+
Start	1	End	1067
Name	OJ990915_11.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	216	End	563
GI	none	Score	269
Exons	216..548, 242..562, 243..563		

Seq. No.	26387	Seq. ID	OJ990915_11.0103.C3
Gene No.	54766	Strand	+
Start	1	End	1067
Name	OJ990915_11.0103.C3.o1.tc	Method	TBLASTX:Cress

Start	297	End	623
GI	none	Score	88
Exons	297..479, 480..623, 482..622		

Seq. No.	26387	Seq. ID	OJ990915_11.0103.C3
Gene No.	54766	Strand	+
Start	1	End	1067
Name	OJ990915_11.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	387	End	647
GI	none	Score	297
Exons	387..647, 398..646		

Seq. No.	26387	Seq. ID	OJ990915_11.0103.C3
Gene No.	54766	Strand	+
Start	1	End	1067
Name	OJ990915_11.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	564	End	881
GI	none	Score	443
Exons	564..881, 575..877		

Seq. No.	26387	Seq. ID	OJ990915_11.0103.C3
Gene No.	54766	Strand	+
Start	1	End	1067
Name	OJ990915_11.0103.C3.o2.tw	Method	TBLASTX:Wheat
Start	606	End	1067
GI	none	Score	545
Exons	606..1067, 662..1066		

Seq. No.	26387	Seq. ID	OJ990915_11.0103.C3
Gene No.	54766	Strand	+
Start	1	End	1067
Name	OJ990915_11.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	887	End	1067
GI	none	Score	220
Exons	887..1066, 888..1067		

Seq. No.	26388	Seq. ID	OJ990915_11.0103.C4
Gene No.	54767	Strand	+
Start	177	End	725
Name	OJ990915_11.0103.C4.o1.np	Method	AAT/NAP
Start	177	End	725
GI	4512231	Score	904
Exons	177..725		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	26389	Seq. ID	OJ990915_11.0103.C6
Gene No.	54768	Strand	+
Start	1	End	949
Name	OJ990915_11.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	476
GI	5852179	Score	232
Exons	1..186, 261..476		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	26389	Seq. ID	OJ990915_11.0103.C6
Gene No.	54768	Strand	+
Start	1	End	949

Name	OJ990915_11.0103.C6.o1.gs	Method	GENSCAN
Start	91	End	949
GI	none	Score	.91
Exons	91..186, 227..445, 668..949		

Seq. No.	26389	Seq. ID	OJ990915_11.0103.C6
Gene No.	54769	Strand	-
Start	1219	End	1307
Name	OJ990915_11.0103.C6.o2.np	Method	AAT/NAP
Start	1219	End	1307
GI	4680179	Score	104
Exons	1219..1307		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26390	Seq. ID	OJ990915_11.0103.C9
Gene No.	54770	Strand	+
Start	52	End	2891
Name	OJ990915_11.0103.C9.o1.gs	Method	GENSCAN
Start	52	End	2825
GI	none	Score	.83
Exons	52..1173, 1341..1506, 1658..2367, 2431..2634, 2679..2825		

Seq. No.	26390	Seq. ID	OJ990915_11.0103.C9
Gene No.	54770	Strand	+
Start	52	End	2891
Name	OJ990915_11.0103.C9.o3.tw	Method	TBLASTX:Wheat
Start	649	End	1238
GI	none	Score	148
Exons	649..831, 657..830, 868..1104, 870..986, 880..1047, 1185..1238		

Seq. No.	26390	Seq. ID	OJ990915_11.0103.C9
Gene No.	54770	Strand	+
Start	52	End	2891
Name	OJ990915_11.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	1296	End	1752
GI	none	Score	131
Exons	1296..1433, 1304..1426, 1416..1703, 1438..1752, 1438..1740		

Seq. No.	26390	Seq. ID	OJ990915_11.0103.C9
Gene No.	54770	Strand	+
Start	52	End	2891
Name	OJ990915_11.0103.C9.o1.np	Method	AAT/NAP
Start	1350	End	2891
GI	5902445	Score	1605
Exons	1350..2891		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	26390	Seq. ID	OJ990915_11.0103.C9
Gene No.	54770	Strand	+
Start	52	End	2891
Name	OJ990915_11.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	1432	End	1782
GI	none	Score	389
Exons	1432..1782, 1468..1782		

Seq. No.	26390	Seq. ID	OJ990915_11.0103.C9
Gene No.	54770	Strand	+

Start	52	End	2891
Name	OJ990915_11.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	1837	End	2193
GI	none	Score	308
Exons	1837..2193, 1914..2192		

Seq. No.	26390	Seq. ID	OJ990915_11.0103.C9
Gene No.	54770	Strand	+
Start	52	End	2891
Name	OJ990915_11.0103.C9.o2.tw	Method	TBLASTX:Wheat
Start	1867	End	2291
GI	none	Score	463
Exons	1867..2289, 1870..2127, 1914..2291		

Seq. No.	26390	Seq. ID	OJ990915_11.0103.C9
Gene No.	54770	Strand	+
Start	52	End	2891
Name	OJ990915_11.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	1945	End	2346
GI	none	Score	302
Exons	1945..2346, 1953..2105		

Seq. No.	26390	Seq. ID	OJ990915_11.0103.C9
Gene No.	54770	Strand	+
Start	52	End	2891
Name	OJ990915_11.0103.C9.o4.tw	Method	TBLASTX:Wheat
Start	2436	End	2844
GI	none	Score	212
Exons	2436..2663, 2437..2661, 2671..2844		

Seq. No.	26391	Seq. ID	OJ990915_11.0103.C12
Gene No.	54771	Strand	-
Start	1029	End	1241
Name	OJ990915_11.0103.C12.o1.gs	Method	GENSCAN
Start	1029	End	1241
GI	none	Score	.42
Exons	1029..1241		

Seq. No.	26392	Seq. ID	OJ990915_11.0103.C13
Gene No.	54772	Strand	+
Start	40	End	1449
Name	OJ990915_11.0103.C13.o1.gs	Method	GENSCAN
Start	40	End	1449
GI	none	Score	.56
Exons	40..129, 1387..1449		

Seq. No.	26393	Seq. ID	OJ990915_11.0103.C14
Gene No.	54773	Strand	-
Start	134	End	2060
Name	OJ990915_11.0103.C14.o1.gs	Method	GENSCAN
Start	134	End	2060
GI	none	Score	.52
Exons	134..396, 514..703, 738..899, 936..1058, 1171..1425, 1516..1578, 2005..2060		

Seq. No.	26393	Seq. ID	OJ990915_11.0103.C14
Gene No.	54773	Strand	-

Start	134	End	2060
Name	OJ990915_11.0103.C14.o1.np	Method	AAT/NAP
Start	1591	End	1689
GI	5777617	Score	87
Exons	1591..1689		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	26394	Seq. ID	OJ990915_11.0103.C15
Gene No.	54774	Strand	+
Start	818	End	1531
Name	OJ990915_11.0103.C15.o1.gs	Method	GENSCAN
Start	818	End	1531
GI	none	Score	.57
Exons	818..826, 1393..1531		

Seq. No.	26395	Seq. ID	OJ990915_11.0103.C16
Gene No.	54775	Strand	+
Start	167	End	716
Name	OJ990915_11.0103.C16.o1.gs	Method	GENSCAN
Start	167	End	716
GI	none	Score	.41
Exons	167..299, 582..716		

Seq. No.	26396	Seq. ID	OJ990915_11.0103.C17
Gene No.	54776	Strand	+
Start	240	End	2843
Name	OJ990915_11.0103.C17.o1.gs	Method	GENSCAN
Start	240	End	2761
GI	none	Score	.69
Exons	240..421, 672..722, 815..1466, 1644..2001, 2173..2761		

Seq. No.	26396	Seq. ID	OJ990915_11.0103.C17
Gene No.	54776	Strand	+
Start	240	End	2843
Name	OJ990915_11.0103.C17.o1.tw	Method	TBLASTX:Wheat
Start	609	End	991
GI	none	Score	175
Exons	609..845, 620..847, 854..991, 854..988, 859..990		

Seq. No.	26396	Seq. ID	OJ990915_11.0103.C17
Gene No.	54776	Strand	+
Start	240	End	2843
Name	OJ990915_11.0103.C17.o1.np	Method	AAT/NAP
Start	615	End	2843
GI	6539553	Score	2064
Exons	615..1898, 2812..2843		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	26396	Seq. ID	OJ990915_11.0103.C17
Gene No.	54776	Strand	+
Start	240	End	2843
Name	OJ990915_11.0103.C17.o2.tm	Method	TBLASTX:Maize
Start	744	End	1053
GI	none	Score	82

Exons	744..836, 750..845, 804..1049, 850..1053, 851..1051		
Seq. No.	26396	Seq. ID	OJ990915_11.0103.C17
Gene No.	54776	Strand	+
Start	240	End	2843
Name	OJ990915_11.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	1552	End	1874
GI	none	Score	251
Exons	1552..1806, 1559..1873, 1579..1872, 1707..1874		
Seq. No.	26397	Seq. ID	OJ990915_11.0103.C18
Gene No.	54777	Strand	+
Start	1	End	738
Name	OJ990915_11.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	738
GI	6539553	Score	1193
Exons	1..738		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	26397	Seq. ID	OJ990915_11.0103.C18
Gene No.	54777	Strand	+
Start	1	End	738
Name	OJ990915_11.0103.C18.o2.tw	Method	TBLASTX:Wheat
Start	2	End	191
GI	none	Score	284
Exons	2..181, 3..191		
Seq. No.	26397	Seq. ID	OJ990915_11.0103.C18
Gene No.	54777	Strand	+
Start	1	End	738
Name	OJ990915_11.0103.C18.o1.gs	Method	GENSCAN
Start	88	End	548
GI	none	Score	.53
Exons	88..173, 216..548		
Seq. No.	26397	Seq. ID	OJ990915_11.0103.C18
Gene No.	54777	Strand	+
Start	1	End	738
Name	OJ990915_11.0103.C18.o1.ts	Method	TBLASTX:Soybean
Start	111	End	572
GI	5509260	Score	249
Exons	111..443, 329..424, 438..572, 494..553		
GI Descrip.	-		
Seq. No.	26397	Seq. ID	OJ990915_11.0103.C18
Gene No.	54777	Strand	+
Start	1	End	738
Name	OJ990915_11.0103.C18.o1.tc	Method	TBLASTX:Cress
Start	204	End	443
GI	none	Score	248
Exons	204..443		
Seq. No.	26397	Seq. ID	OJ990915_11.0103.C18
Gene No.	54777	Strand	+

Start	1	End	738
Name	OJ990915_11.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	243	End	689
GI	none	Score	175
Exons	243..443, 438..689		

Seq. No.	26397	Seq. ID	OJ990915_11.0103.C18
Gene No.	54777	Strand	+
Start	1	End	738
Name	OJ990915_11.0103.C18.o1.tw	Method	TBLASTX:Wheat
Start	243	End	734
GI	none	Score	174
Exons	243..443, 438..587, 582..734		

Seq. No.	26398	Seq. ID	OJ990915_11.0103.C19
Gene No.	54778	Strand	+
Start	1	End	758
Name	OJ990915_11.0103.C19.o1.np	Method	AAT/NAP
Start	1	End	758
GI	4680179	Score	1161
Exons	1..758		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26398	Seq. ID	OJ990915_11.0103.C19
Gene No.	54778	Strand	+
Start	1	End	758
Name	OJ990915_11.0103.C19.o2.tw	Method	TBLASTX:Wheat
Start	1	End	309
GI	none	Score	465
Exons	1..309, 22..303, 51..305		

Seq. No.	26398	Seq. ID	OJ990915_11.0103.C19
Gene No.	54778	Strand	+
Start	1	End	758
Name	OJ990915_11.0103.C19.o2.tm	Method	TBLASTX:Maize
Start	1	End	273
GI	none	Score	254
Exons	1..273, 69..272		

Seq. No.	26398	Seq. ID	OJ990915_11.0103.C19
Gene No.	54778	Strand	+
Start	1	End	758
Name	OJ990915_11.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	16	End	333
GI	none	Score	90
Exons	16..189, 190..333, 192..332		

Seq. No.	26398	Seq. ID	OJ990915_11.0103.C19
Gene No.	54778	Strand	+
Start	1	End	758
Name	OJ990915_11.0103.C19.o1.ts	Method	TBLASTX:Soybean
Start	97	End	357
GI	none	Score	297
Exons	97..357, 102..356		

Seq. No.	26398	Seq. ID	OJ990915_11.0103.C19
Gene No.	54778	Strand	+

Start	1	End	758
Name	OJ990915_11.0103.C19.o1.tm	Method	TBLASTX:Maize
Start	274	End	585
GI	none	Score	438
Exons	274..585, 285..536, 286..585		

Seq. No.	26398	Seq. ID	OJ990915_11.0103.C19
Gene No.	54778	Strand	+
Start	1	End	758
Name	OJ990915_11.0103.C19.o1.tw	Method	TBLASTX:Wheat
Start	316	End	756
GI	none	Score	312
Exons	316..588, 372..536, 376..585, 586..756, 591..755		

Seq. No.	26398	Seq. ID	OJ990915_11.0103.C19
Gene No.	54778	Strand	+
Start	1	End	758
Name	OJ990915_11.0103.C19.o3.tm	Method	TBLASTX:Maize
Start	586	End	756
GI	none	Score	184
Exons	586..756, 594..755		

Seq. No.	26399	Seq. ID	OJ990915_11.0103.C20
Gene No.	54779	Strand	-
Start	1	End	1532
Name	OJ990915_11.0103.C20.o1.np	Method	AAT/NAP
Start	1	End	477
GI	4680179	Score	354
Exons	1..477		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26399	Seq. ID	OJ990915_11.0103.C20
Gene No.	54779	Strand	-
Start	1	End	1532
Name	OJ990915_11.0103.C20.o1.tw	Method	TBLASTX:Wheat
Start	1	End	279
GI	none	Score	114
Exons	1..42, 53..250, 55..252, 259..279		

Seq. No.	26399	Seq. ID	OJ990915_11.0103.C20
Gene No.	54779	Strand	-
Start	1	End	1532
Name	OJ990915_11.0103.C20.o1.gs	Method	GENSCAN
Start	83	End	1532
GI	none	Score	.54
Exons	83..474, 700..728, 767..1532		

Seq. No.	26399	Seq. ID	OJ990915_11.0103.C20
Gene No.	54779	Strand	-
Start	1	End	1532
Name	OJ990915_11.0103.C20.o1.gp	Method	AAT/GAP
Start	803	End	1257
GI	95437_1.R1084	Score	784
Exons	803..1257		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	26400	Seq. ID	OJ990915_11.0103.C21
Gene No.	54780	Strand	+
Start	1	End	136
Name	OJ990915_11.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	136
GI	5922626	Score	132
Exons	1..136		
GI Descrip.	(AP000492) similar to epoxide hydrolases; coded for by A. thaliana cDNA T04215. (AF069298) [Oryza sativa] gi|6016859|dbj|BAA85202.1| (AP000570) Similar to epoxide hydrolases; coded for by A. thaliana cDNA T04215. (AF069298) [Oryza sativa]		

Seq. No.	26400	Seq. ID	OJ990915_11.0103.C21
Gene No.	54781	Strand	+
Start	50	End	1676
Name	OJ990915_11.0103.C21.o1.gs	Method	GENSCAN
Start	50	End	1676
GI	none	Score	.43
Exons	50..98, 1588..1676		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54782	Strand	+
Start	1	End	1757
Name	OJ990915_11.0103.C22.o1.np	Method	AAT/NAP
Start	1	End	1614
GI	4512242	Score	148
Exons	1..110, 1595..1614		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54782	Strand	+
Start	1	End	1757
Name	OJ990915_11.0103.C22.o1.gs	Method	GENSCAN
Start	796	End	1757
GI	none	Score	.52
Exons	796..891, 897..1087, 1270..1392, 1650..1757		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54783	Strand	+
Start	2678	End	10327
Name	OJ990915_11.0103.C22.o1.gp	Method	AAT/GAP
Start	2169	End	2552
GI	uC-osflcyp033a04b1	Score	599
Exons	2169..2552		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54783	Strand	+
Start	2678	End	10327
Name	OJ990915_11.0103.C22.o2.gs	Method	GENSCAN
Start	2678	End	10327
GI	none	Score	.78
Exons	2678..2767, 3434..4199, 4238..4266, 4491..8970, 9699..10327		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54783	Strand	+
Start	2678	End	10327
Name	OJ990915_11.0103.C22.o3.gp	Method	AAT/GAP
Start	3709	End	4163
GI	95437_1.R1084	Score	782
Exons	3709..4163		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54783	Strand	+
Start	2678	End	10327
Name	OJ990915_11.0103.C22.o2.np	Method	AAT/NAP
Start	4488	End	8984
GI	4680179	Score	5430
Exons	4488..5549, 5583..8984		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54784	Strand	+
Start	11071	End	11456
Name	OJ990915_11.0103.C22.o4.gp	Method	AAT/GAP
Start	11071	End	11456
GI	uC-osflcyp033a04b1	Score	629
Exons	11071..11456		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54785	Strand	-
Start	10508	End	10639
Name	OJ990915_11.0103.C22.o3.gs	Method	GENSCAN
Start	10508	End	10639
GI	none	Score	.46
Exons	10508..10639		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o1.ts	Method	TBLASTX:Soybean
Start	3	End	6966
GI	none	Score	123
Exons	3..110, 5..109, 6570..6602, 6570..6602, 6606..6965, 6608..6646, 6674..6964, 6697..6966		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o5.tw	Method	TBLASTX:Wheat
Start	3	End	6980
GI	none	Score	119
Exons	3..110, 3..104, 56..109, 6678..6980, 6679..6759, 6680..6964		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-

Start	11004	End	12930
Name	OJ990915_11.0103.C22.o3.tm	Method	TBLASTX:Maize
Start	6	End	7016
GI	none	Score	113
Exons	6..110, 6516..6695, 6524..6670, 6702..7016		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o9.tw	Method	TBLASTX:Wheat
Start	4713	End	4912
GI	none	Score	211
Exons	4713..4910, 4715..4912		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o7.tw	Method	TBLASTX:Wheat
Start	4946	End	5297
GI	none	Score	293
Exons	4946..5140, 4947..5297		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o6.tm	Method	TBLASTX:Maize
Start	4947	End	5252
GI	none	Score	232
Exons	4947..5252, 4961..5077		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o7.tm	Method	TBLASTX:Maize
Start	5574	End	5927
GI	none	Score	189
Exons	5574..5927		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o8.tw	Method	TBLASTX:Wheat
Start	5610	End	6032
GI	none	Score	166
Exons	5610..5819, 5666..5818, 5864..5977, 5865..6032		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o4.tw	Method	TBLASTX:Wheat
Start	6147	End	6629
GI	none	Score	52
Exons	6147..6197, 6251..6586, 6252..6629, 6261..6626		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930

Name	OJ990915_11.0103.C22.o5.tm	Method	TBLASTX:Maize
Start	6159	End	6448
GI	none	Score	276
Exons	6159..6446, 6255..6446, 6257..6448		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o3.tw	Method	TBLASTX:Wheat
Start	6981	End	7403
GI	none	Score	598
Exons	6981..7403, 7013..7402		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o3.ts	Method	TBLASTX:Soybean
Start	6987	End	7232
GI	none	Score	207
Exons	6987..7232, 7004..7231		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o2.tm	Method	TBLASTX:Maize
Start	7052	End	7415
GI	none	Score	482
Exons	7052..7402, 7053..7406, 7053..7415		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o2.tw	Method	TBLASTX:Wheat
Start	7406	End	7973
GI	none	Score	653
Exons	7406..7969, 7437..7973		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o1.tc	Method	TBLASTX:Cress
Start	7680	End	7997
GI	none	Score	90
Exons	7680..7853, 7854..7997, 7856..7996		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o2.ts	Method	TBLASTX:Soybean
Start	7761	End	8021
GI	none	Score	297
Exons	7761..8021, 7764..8012, 7766..8020		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o4.tm	Method	TBLASTX:Maize

Start	7820	End	8111
GI	none	Score	374
Exons	7820..8107, 7821..8111		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o1.tw	Method	TBLASTX:Wheat
Start	7980	End	8606
GI	none	Score	708
Exons	7980..8606, 8036..8494, 8481..8603		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	8160	End	8744
GI	none	Score	231
Exons	8160..8321, 8168..8314, 8319..8744, 8319..8402, 8321..8743		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o6.tw	Method	TBLASTX:Wheat
Start	8606	End	8939
GI	none	Score	324
Exons	8606..8875, 8607..8939, 8610..8918		

Seq. No.	26401	Seq. ID	OJ990915_11.0103.C22
Gene No.	54786	Strand	-
Start	11004	End	12930
Name	OJ990915_11.0103.C22.o3.np	Method	AAT/NAP
Start	11004	End	12930
GI	4680186	Score	329
Exons	11004..11205, 12043..12096, 12764..12930		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54787	Strand	+
Start	1	End	2825
Name	OJ990915_11.0103.C23.o1.np	Method	AAT/NAP
Start	1	End	2822
GI	6498441	Score	3777
Exons	1..207, 400..879, 1050..2447, 2541..2822		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54787	Strand	+
Start	1	End	2825
Name	OJ990915_11.0103.C23.o1.gs	Method	GENSCAN
Start	89	End	2825
GI	none	Score	.57
Exons	89..879, 1083..2825		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23

Gene No.	54788	Strand	+
Start	9015	End	10079
Name	OJ990915_11.0103.C23.o4.gs	Method	GENSCAN
Start	9015	End	9934
GI	none	Score	.94
Exons	9015..9626, 9699..9934		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54788	Strand	+
Start	9015	End	10079
Name	OJ990915_11.0103.C23.o4.np	Method	AAT/NAP
Start	9150	End	10079
GI	6714450	Score	554
Exons	9150..9626, 9699..9928, 10027..10079		
GI Descrip.	(AC011620) putative epoxide hydrolase [Arabidopsis thaliana]		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o2.tw	Method	TBLASTX:Wheat
Start	727	End	1184
GI	none	Score	132
Exons	727..888, 751..903, 882..974, 887..988, 1035..1184, 1046..1183		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o2.ts	Method	TBLASTX:Soybean
Start	891	End	1439
GI	5666795	Score	65
Exons	891..971, 1047..1184, 1239..1439		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o4.tw	Method	TBLASTX:Wheat
Start	1187	End	1499
GI	none	Score	192
Exons	1187..1363, 1200..1388, 1239..1499		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o1.tm	Method	TBLASTX:Maize
Start	1692	End	2015
GI	none	Score	362
Exons	1692..2015, 1709..2002		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o1.tw	Method	TBLASTX:Wheat
Start	1829	End	2210
GI	none	Score	373
Exons	1829..1885, 1830..2210, 1931..2179		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o3.tw	Method	TBLASTX:Wheat
Start	2211	End	2813
GI	none	Score	265
Exons	2211..2495, 2212..2502, 2216..2494, 2351..2521, 2687..2800, 2688..2813		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o3.tm	Method	TBLASTX:Maize
Start	2682	End	2822
GI	none	Score	183
Exons	2682..2822, 2687..2803		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o2.gs	Method	GENSCAN
Start	3466	End	4401
GI	none	Score	.99
Exons	3466..4401		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o2.np	Method	AAT/NAP
Start	3469	End	6693
GI	6907089	Score	4098
Exons	3469..5338, 5432..6693		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o3.gs	Method	GENSCAN
Start	4468	End	6693
GI	none	Score	.77
Exons	4468..6693		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54789	Strand	-
Start	3466	End	8373
Name	OJ990915_11.0103.C23.o3.np	Method	AAT/NAP
Start	5935	End	8373
GI	5922623	Score	417
Exons	5935..5979, 7535..7611, 7779..7926, 8293..8373		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54790	Strand	
Start	9144	End	9932
Name	OJ990915_11.0103.C23.o1.ts	Method	TBLASTX:Soybean

Start	9144	End	9932
GI	none	Score	57
Exons	9144..9197, 9234..9341, 9242..9358, 9252..9389, 9443..9616, 9444..9626, 9692..9799, 9693..9785, 9837..9932		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54790	Strand	
Start	9144	End	9932
Name	OJ990915_11.0103.C23.o2.tm	Method	TBLASTX:Maize
Start	9159	End	9784
GI	none	Score	47
Exons	9159..9197, 9210..9344, 9242..9367, 9247..9345, 9252..9389, 9427..9468, 9438..9476, 9443..9472, 9482..9628, 9483..9626, 9693..9773, 9698..9784		

Seq. No.	26402	Seq. ID	OJ990915_11.0103.C23
Gene No.	54790	Strand	
Start	9144	End	9932
Name	OJ990915_11.0103.C23.o1.tc	Method	TBLASTX:Cress
Start	9222	End	9620
GI	none	Score	317
Exons	9222..9287, 9242..9379, 9252..9572, 9309..9566, 9443..9586, 9582..9620		

Seq. No.	26403	Seq. ID	OJ990915_11.0103.C24
Gene No.	54791	Strand	-
Start	1	End	710
Name	OJ990915_11.0103.C24.o1.np	Method	AAT/NAP
Start	1	End	710
GI	4680179	Score	848
Exons	1..710		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26403	Seq. ID	OJ990915_11.0103.C24
Gene No.	54791	Strand	-
Start	1	End	710
Name	OJ990915_11.0103.C24.o1.tw	Method	TBLASTX:Wheat
Start	12	End	342
GI	none	Score	158
Exons	12..341, 15..317, 34..342		

Seq. No.	26403	Seq. ID	OJ990915_11.0103.C24
Gene No.	54791	Strand	-
Start	1	End	710
Name	OJ990915_11.0103.C24.o1.tm	Method	TBLASTX:Maize
Start	40	End	332
GI	none	Score	163
Exons	40..282, 42..332		

Seq. No.	26403	Seq. ID	OJ990915_11.0103.C24
Gene No.	54791	Strand	-
Start	1	End	710
Name	OJ990915_11.0103.C24.o1.gs	Method	GENSCAN
Start	71	End	657
GI	none	Score	.47
Exons	71..657		

Seq. No.	26403	Seq. ID	OJ990915_11.0103.C24
Gene No.	54791	Strand	-
Start	1	End	710
Name	OJ990915_11.0103.C24.o2.tw	Method	TBLASTX:Wheat
Start	345	End	650
GI	none	Score	73
Exons	345..461, 346..423, 486..650, 523..591		

Seq. No.	26404	Seq. ID	OJ990915_11.0103.C25
Gene No.	54792	Strand	-
Start	1	End	732
Name	OJ990915_11.0103.C25.o1.np	Method	AAT/NAP
Start	1	End	732
GI	4680179	Score	998
Exons	1..732		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26404	Seq. ID	OJ990915_11.0103.C25
Gene No.	54792	Strand	-
Start	1	End	732
Name	OJ990915_11.0103.C25.o1.gs	Method	GENSCAN
Start	40	End	612
GI	none	Score	.87
Exons	40..612		

Seq. No.	26404	Seq. ID	OJ990915_11.0103.C25
Gene No.	54792	Strand	-
Start	1	End	732
Name	OJ990915_11.0103.C25.o1.tm	Method	TBLASTX:Maize
Start	46	End	477
GI	none	Score	86
Exons	46..477, 53..247, 259..438		

Seq. No.	26404	Seq. ID	OJ990915_11.0103.C25
Gene No.	54792	Strand	-
Start	1	End	732
Name	OJ990915_11.0103.C25.o1.tw	Method	TBLASTX:Wheat
Start	100	End	586
GI	none	Score	284
Exons	100..477, 143..586, 532..582		

Seq. No.	26405	Seq. ID	OJ990915_11.0103.C26
Gene No.	54793	Strand	-
Start	1	End	1375
Name	OJ990915_11.0103.C26.o1.np	Method	AAT/NAP
Start	1	End	1375
GI	4680179	Score	1024
Exons	1..301, 335..1375		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26405	Seq. ID	OJ990915_11.0103.C26
Gene No.	54793	Strand	-
Start	1	End	1375
Name	OJ990915_11.0103.C26.o2.tw	Method	TBLASTX:Wheat
Start	17	End	394
GI	none	Score	68
Exons	17..271, 78..218, 299..394		

Seq. No.	26405	Seq. ID	OJ990915_11.0103.C26
Gene No.	54793	Strand	-
Start	1	End	1375
Name	OJ990915_11.0103.C26.o1.gs	Method	GENSCAN
Start	223	End	1255
GI	none	Score	.88
Exons	223..1255		

Seq. No.	26405	Seq. ID	OJ990915_11.0103.C26
Gene No.	54793	Strand	-
Start	1	End	1375
Name	OJ990915_11.0103.C26.o3.tw	Method	TBLASTX:Wheat
Start	593	End	823
GI	none	Score	175
Exons	593..823		

Seq. No.	26405	Seq. ID	OJ990915_11.0103.C26
Gene No.	54793	Strand	-
Start	1	End	1375
Name	OJ990915_11.0103.C26.o1.tm	Method	TBLASTX:Maize
Start	638	End	943
GI	none	Score	90
Exons	638..943, 813..929		

Seq. No.	26405	Seq. ID	OJ990915_11.0103.C26
Gene No.	54793	Strand	-
Start	1	End	1375
Name	OJ990915_11.0103.C26.o1.tw	Method	TBLASTX:Wheat
Start	824	End	1186
GI	none	Score	139
Exons	824..1186, 825..1184		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54794	Strand	+
Start	4924	End	5566
Name	OJ990915_11.0103.C27.o3.np	Method	AAT/NAP
Start	4924	End	5566
GI	5922623	Score	330
Exons	4924..5004, 5375..5566		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o1.np	Method	AAT/NAP
Start	1	End	4344
GI	6498441	Score	3002
Exons	1..55, 296..476, 530..724, 1053..1291, 1728..1866, 2050..2423, 2487..2950, 3281..4344		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27

Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o1.gs	Method	GENSCAN
Start	244	End	2360
GI	none	Score	.79
Exons	244..366, 549..1113, 1543..2360		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o3.tw	Method	TBLASTX:Wheat
Start	1542	End	1844
GI	none	Score	206
Exons	1542..1844, 1543..1746, 1655..1843		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o2.tm	Method	TBLASTX:Maize
Start	1545	End	1902
GI	none	Score	163
Exons	1545..1901, 1549..1758, 1685..1867, 1816..1902		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o1.ts	Method	TBLASTX:Soybean
Start	1632	End	1856
GI	none	Score	82
Exons	1632..1856, 1633..1749		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o1.tm	Method	TBLASTX:Maize
Start	1929	End	2285
GI	none	Score	114
Exons	1929..2231, 1929..2285, 1939..2250		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o1.tw	Method	TBLASTX:Wheat
Start	1953	End	2415
GI	none	Score	400
Exons	1953..2414, 1954..2415		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o2.ts	Method	TBLASTX:Soybean
Start	2010	End	2375
GI	none	Score	117
Exons	2010..2144, 2151..2375		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-

Start	1	End	4847
Name	OJ990915_11.0103.C27.o2.gs	Method	GENSCAN
Start	2424	End	4847
GI	none	Score	.66
Exons	2424..4847		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o2.tw	Method	TBLASTX:Wheat
Start	2583	End	3066
GI	none	Score	170
Exons	2583..3065, 2611..2871, 2893..3066		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o2.np	Method	AAT/NAP
Start	3603	End	4847
GI	6721562	Score	1773
Exons	3603..4847		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o4.tw	Method	TBLASTX:Wheat
Start	3804	End	4196
GI	none	Score	93
Exons	3804..4061, 3838..4077, 4044..4142, 4045..4125, 4149..4196		

Seq. No.	26406	Seq. ID	OJ990915_11.0103.C27
Gene No.	54795	Strand	-
Start	1	End	4847
Name	OJ990915_11.0103.C27.o3.tm	Method	TBLASTX:Maize
Start	3906	End	4191
GI	none	Score	110
Exons	3906..4154, 3907..4191		

Seq. No.	26407	Seq. ID	OJ990915_11.0103.C28
Gene No.	54796	Strand	-
Start	2165	End	2286
Name	OJ990915_11.0103.C28.o1.gs	Method	GENSCAN
Start	2165	End	2286
GI	none	Score	.52
Exons	2165..2286		

Seq. No.	26408	Seq. ID	OJ990915_11.0103.C29
Gene No.	54797	Strand	+
Start	864	End	1089
Name	OJ990915_11.0103.C29.o1.gs	Method	GENSCAN
Start	864	End	1089
GI	none	Score	.49

Exons	864..1089		
Seq. No.	26408	Seq. ID	OJ990915_11.0103.C29
Gene No.	54798	Strand	-
Start	1767	End	2691
Name	OJ990915_11.0103.C29.o2.gs	Method	GENSCAN
Start	1767	End	2601
GI	none	Score	.89
Exons	1767..1890, 2083..2378, 2506..2601		
Seq. No.	26408	Seq. ID	OJ990915_11.0103.C29
Gene No.	54798	Strand	-
Start	1767	End	2691
Name	OJ990915_11.0103.C29.o1.np	Method	AAT/NAP
Start	2082	End	2465
GI	6539553	Score	539
Exons	2082..2465		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	26408	Seq. ID	OJ990915_11.0103.C29
Gene No.	54798	Strand	-
Start	1767	End	2691
Name	OJ990915_11.0103.C29.o1.tw	Method	TBLASTX:Wheat
Start	2218	End	2456
GI	none	Score	188
Exons	2218..2454, 2218..2454, 2220..2456		
Seq. No.	26408	Seq. ID	OJ990915_11.0103.C29
Gene No.	54798	Strand	-
Start	1767	End	2691
Name	OJ990915_11.0103.C29.o2.np	Method	AAT/NAP
Start	2464	End	2691
GI	5852179	Score	138
Exons	2464..2691		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	26409	Seq. ID	OJ990915_11.0103.C30
Gene No.	54799	Strand	+
Start	1	End	696
Name	OJ990915_11.0103.C30.o1.np	Method	AAT/NAP
Start	1	End	696
GI	6063554	Score	133
Exons	1..27, 526..696		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	26409	Seq. ID	OJ990915_11.0103.C30
Gene No.	54800	Strand	-
Start	292	End	1671
Name	OJ990915_11.0103.C30.o2.np	Method	AAT/NAP
Start	108	End	1671
GI	6539553	Score	317
Exons	108..129, 1371..1671		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	26409	Seq. ID	OJ990915_11.0103.C30
Gene No.	54800	Strand	-
Start	292	End	1671
Name	OJ990915_11.0103.C30.o1.gs	Method	GENSCAN
Start	292	End	1398
GI	none	Score	.44
Exons	292..372, 428..551, 755..878, 1329..1398		

Seq. No.	26409	Seq. ID	OJ990915_11.0103.C30
Gene No.	54800	Strand	-
Start	292	End	1671
Name	OJ990915_11.0103.C30.o1.tw	Method	TBLASTX:Wheat
Start	1363	End	1625
GI	none	Score	121
Exons	1363..1464, 1364..1471, 1458..1529, 1463..1531, 1560..1625, 1562..1618		

Seq. No.	26410	Seq. ID	OJ990915_11.0103.C31
Gene No.	54801	Strand	-
Start	547	End	687
Name	OJ990915_11.0103.C31.o1.gs	Method	GENSCAN
Start	547	End	687
GI	none	Score	.61
Exons	547..687		

Seq. No.	26411	Seq. ID	OJ990915_11.0103.C32
Gene No.	54802	Strand	+
Start	45	End	641
Name	OJ990915_11.0103.C32.o1.gs	Method	GENSCAN
Start	45	End	641
GI	none	Score	.43
Exons	45..641		

Seq. No.	26412	Seq. ID	OJ990915_11.0103.C33
Gene No.	54803	Strand	-
Start	1	End	2729
Name	OJ990915_11.0103.C33.o1.np	Method	AAT/NAP
Start	1	End	2618
GI	4775576	Score	1751
Exons	1..25, 182..1255, 2292..2324, 2439..2488, 2564..2618		
GI Descrip.	(AJ238785) MUS1 protein [Zea mays]		

Seq. No.	26412	Seq. ID	OJ990915_11.0103.C33
Gene No.	54803	Strand	-
Start	1	End	2729
Name	OJ990915_11.0103.C33.o1.tc	Method	TBLASTX:Cress
Start	182	End	2594
GI	none	Score	237
Exons	182..1258, 186..509, 582..1055, 968..1258, 2442..2492, 2565..2594		

Seq. No.	26412	Seq. ID	OJ990915_11.0103.C33

Gene No.	54803	Strand	-
Start	1	End	2729
Name	OJ990915_11.0103.C33.o1.tm	Method	TBLASTX:Maize
Start	296	End	530
GI	none	Score	272
Exons	296..529, 297..527, 348..530		

Seq. No.	26412	Seq. ID	OJ990915_11.0103.C33
Gene No.	54803	Strand	-
Start	1	End	2729
Name	OJ990915_11.0103.C33.o1.ts	Method	TBLASTX:Soybean
Start	599	End	869
GI	none	Score	132
Exons	599..745, 600..743, 743..829, 812..868, 813..869		

Seq. No.	26412	Seq. ID	OJ990915_11.0103.C33
Gene No.	54803	Strand	-
Start	1	End	2729
Name	OJ990915_11.0103.C33.o2.tm	Method	TBLASTX:Maize
Start	713	End	882
GI	none	Score	232
Exons	713..880, 714..881, 717..881, 775..882		

Seq. No.	26412	Seq. ID	OJ990915_11.0103.C33
Gene No.	54803	Strand	-
Start	1	End	2729
Name	OJ990915_11.0103.C33.o1.gp	Method	AAT/GAP
Start	1071	End	2729
GI	73143_1.R1084	Score	770
Exons	1071..1255, 2292..2324, 2439..2488, 2564..2729		
GI Descrip.	'4775576/emb|CAB42554.1| 5.0e-39 (AJ238785) MUS1 protein [Zea mays]'		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54804	Strand	-
Start	1	End	1309
Name	OJ990915_11.0103.C34.o1.np	Method	AAT/NAP
Start	1	End	1309
GI	6630696	Score	2087
Exons	1..1309		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54804	Strand	-
Start	1	End	1309
Name	OJ990915_11.0103.C34.o1.gp	Method	AAT/GAP
Start	378	End	1207
GI	101595_1.R1084	Score	1190
Exons	378..452, 568..1207		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069

Name	OJ990915_11.0103.C34.o1.tm	Method	TBLASTX:Maize
Start	68	End	611
GI	none	Score	57
Exons	68..163, 70..132, 71..133, 185..340, 189..452, 189..476, 190..453, 579..611		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069
Name	OJ990915_11.0103.C34.o3.tm	Method	TBLASTX:Maize
Start	958	End	1267
GI	none	Score	47
Exons	958..1008, 960..1013, 998..1267, 1016..1153, 1020..1220		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069
Name	OJ990915_11.0103.C34.o3.tw	Method	TBLASTX:Wheat
Start	1019	End	1415
GI	none	Score	224
Exons	1019..1303, 1020..1223, 1280..1414, 1317..1415		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069
Name	OJ990915_11.0103.C34.o5.tw	Method	TBLASTX:Wheat
Start	2530	End	2858
GI	none	Score	35
Exons	2530..2556, 2531..2557, 2548..2643, 2562..2654, 2563..2655, 2564..2713, 2663..2737, 2664..2741, 2668..2742, 2671..2739, 2730..2810, 2741..2812, 2742..2858		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069
Name	OJ990915_11.0103.C34.o2.np	Method	AAT/NAP
Start	3022	End	5069
GI	6630696	Score	2977
Exons	3022..4338, 4371..5069		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069
Name	OJ990915_11.0103.C34.o2.tw	Method	TBLASTX:Wheat
Start	3158	End	3610
GI	none	Score	126
Exons	3158..3259, 3158..3442, 3160..3447, 3163..3441, 3441..3542, 3442..3549, 3578..3610		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069
Name	OJ990915_11.0103.C34.o2.tm	Method	TBLASTX:Maize
Start	3888	End	4332

GI	none	Score	56
Exons	3888..4331, 3970..4080, 4153..4332		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069
Name	OJ990915_11.0103.C34.o4.tw	Method	TBLASTX:Wheat
Start	3891	End	4331
GI	none	Score	53
Exons	3891..3992, 3987..4331, 4116..4178, 4150..4314		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069
Name	OJ990915_11.0103.C34.o1.ts	Method	TBLASTX:Soybean
Start	4002	End	4483
GI	5509260	Score	114
Exons	4002..4364, 4150..4362, 4373..4483		
GI Descrip.	-		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069
Name	OJ990915_11.0103.C34.o1.tc	Method	TBLASTX:Cress
Start	4113	End	4368
GI	none	Score	110
Exons	4113..4367, 4201..4368		

Seq. No.	26413	Seq. ID	OJ990915_11.0103.C34
Gene No.	54805	Strand	-
Start	3022	End	5069
Name	OJ990915_11.0103.C34.o1.tw	Method	TBLASTX:Wheat
Start	4418	End	5069
GI	none	Score	148
Exons	4418..4597, 4422..4577, 4581..5069, 4666..5061, 4968..5063		

Seq. No.	26414	Seq. ID	OJ990915_11.0103.C37
Gene No.	54806	Strand	-
Start	1	End	595
Name	OJ990915_11.0103.C37.o1.np	Method	AAT/NAP
Start	1	End	595
GI	6539553	Score	970
Exons	1..595		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	26414	Seq. ID	OJ990915_11.0103.C37
Gene No.	54806	Strand	-
Start	1	End	595
Name	OJ990915_11.0103.C37.o1.tw	Method	TBLASTX:Wheat
Start	1	End	319
GI	none	Score	95
Exons	1..108, 1..96, 3..107, 70..318, 86..319		

Seq. No.	26414	Seq. ID	OJ990915_11.0103.C37

Gene No.	54806	Strand	-
Start	1	End	595
Name	OJ990915_11.0103.C37.o1.tm	Method	TBLASTX:Maize
Start	4	End	396
GI	none	Score	76
Exons	4..396, 35..154		

Seq. No.	26414	Seq. ID	OJ990915_11.0103.C37
Gene No.	54806	Strand	-
Start	1	End	595
Name	OJ990915_11.0103.C37.o1.ts	Method	TBLASTX:Soybean
Start	184	End	570
GI	none	Score	87
Exons	184..432, 415..570		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o1.gs	Method	GENSCAN
Start	297	End	2177
GI	none	Score	.41
Exons	297..1393, 1451..2177		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o1.np	Method	AAT/NAP
Start	300	End	2312
GI	4680179	Score	2926
Exons	300..2312		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o4.tw	Method	TBLASTX:Wheat
Start	345	End	678
GI	none	Score	112
Exons	345..677, 366..674, 409..678		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o1.tm	Method	TBLASTX:Maize
Start	525	End	1124
GI	none	Score	119
Exons	525..965, 540..803, 541..966, 963..1124, 969..1121, 970..1122		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o1.tw	Method	TBLASTX:Wheat
Start	678	End	1304
GI	none	Score	270
Exons	678..1304, 679..1248, 963..1298		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38

Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o3.tm	Method	TBLASTX:Maize
Start	1245	End	1499
GI	none	Score	246
Exons	1245..1499, 1255..1497		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o1.ts	Method	TBLASTX:Soybean
Start	1262	End	1523
GI	none	Score	165
Exons	1262..1399, 1263..1523, 1264..1518		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o1.tc	Method	TBLASTX:Cress
Start	1287	End	1604
GI	none	Score	79
Exons	1287..1430, 1288..1428, 1437..1604		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o2.tw	Method	TBLASTX:Wheat
Start	1311	End	1878
GI	none	Score	261
Exons	1311..1766, 1311..1847, 1315..1878		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o2.tm	Method	TBLASTX:Maize
Start	1878	End	2232
GI	none	Score	234
Exons	1878..2231, 1882..2232		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o3.tw	Method	TBLASTX:Wheat
Start	1881	End	2303
GI	none	Score	355
Exons	1881..2303, 1882..2271		

Seq. No.	26415	Seq. ID	OJ990915_11.0103.C38
Gene No.	54807	Strand	-
Start	297	End	2312
Name	OJ990915_11.0103.C38.o2.ts	Method	TBLASTX:Soybean
Start	2052	End	2297
GI	none	Score	66
Exons	2052..2297, 2152..2280		

Seq. No.	26416	Seq. ID	OJ990915_11.0103.C39
Gene No.	54808	Strand	-

Start	80	End	175
Name	OJ990915_11.0103.C39.o1.gs	Method	GENSCAN
Start	80	End	175
GI	none	Score	.63
Exons	80..175		

Seq. No.	26417	Seq. ID	OJ990915_11.0103.C40
Gene No.	54809	Strand	+
Start	1	End	702
Name	OJ990915_11.0103.C40.o1.np	Method	AAT/NAP
Start	1	End	702
GI	5902445	Score	650
Exons	1..702		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	26417	Seq. ID	OJ990915_11.0103.C40
Gene No.	54809	Strand	+
Start	1	End	702
Name	OJ990915_11.0103.C40.o1.tw	Method	TBLASTX:Wheat
Start	90	End	680
GI	none	Score	359
Exons	90..188, 97..543, 100..273, 234..338, 562..675, 567..680		

Seq. No.	26417	Seq. ID	OJ990915_11.0103.C40
Gene No.	54809	Strand	+
Start	1	End	702
Name	OJ990915_11.0103.C40.o1.gs	Method	GENSCAN
Start	211	End	652
GI	none	Score	.63
Exons	211..652		

Seq. No.	26417	Seq. ID	OJ990915_11.0103.C40
Gene No.	54809	Strand	+
Start	1	End	702
Name	OJ990915_11.0103.C40.o1.tm	Method	TBLASTX:Maize
Start	307	End	570
GI	none	Score	200
Exons	307..570		

Seq. No.	26418	Seq. ID	OJ990325_04.0114.C1
Gene No.	54810	Strand	-
Start	13	End	66
Name	OJ990325_04.0114.C1.o1.gs	Method	GENSCAN
Start	13	End	66
GI	none	Score	.93
Exons	13..66		

Seq. No.	26419	Seq. ID	OJ990325_04.0114.C2
Gene No.	54811	Strand	-
Start	1	End	59
Name	OJ990325_04.0114.C2.o1.gp	Method	AAT/GAP
Start	1	End	59
GI	2312838	Score	93
Exons	1..59		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	26420	Seq. ID	OJ990325_04.0114.C3
Gene No.	54812	Strand	+
Start	246	End	421
Name	OJ990325_04.0114.C3.o1.gs	Method	GENSCAN
Start	246	End	421
GI	none	Score	.95
Exons	246..421		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54813	Strand	+
Start	3821	End	16509
Name	OJ990325_04.0114.C5.o2.gs	Method	GENSCAN
Start	3821	End	16509
GI	none	Score	.79
Exons	3821..3953, 4089..4171, 4818..4875, 5483..5532, 6734..6802, 7112..7246, 7339..7510, 7592..7683, 7766..8173, 8712..9633, 10521..10760, 10827..11158, 11389..11537, 12194..12800, 13007..13153, 13622..13897, 14225..14332, 14563..14768, 14843..15146, 15258..15911, 16336..16509		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54813	Strand	+
Start	3821	End	16509
Name	OJ990325_04.0114.C5.o1.np	Method	AAT/NAP
Start	3842	End	16506
GI	3176661	Score	3342
Exons	3842..3953, 4089..4171, 4818..4889, 5567..5724, 6146..6194, 6734..6802, 7112..7271, 7424..7683, 7763..8101, 8712..9542, 9890..10284, 10521..10898, 10971..11158, 11389..11506, 12169..12770, 13007..13153, 13622..13897, 14225..14332, 14563..14768, 14843..15146, 15258..15679, 15716..15911, 16336..16506		
GI Descrip.	(AC004393) Similar to putative DNA polymerase gb|M29683 from S. cerevisiae. [Arabidopsis thaliana]		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54813	Strand	+
Start	3821	End	16509
Name	OJ990325_04.0114.C5.o1.gp	Method	AAT/GAP
Start	8981	End	9726
GI	none	Score	1049
Exons	8981..9126, 9153..9726		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54814	Strand	+
Start	22896	End	27036
Name	OJ990325_04.0114.C5.o4.gs	Method	GENSCAN
Start	22896	End	27036
GI	none	Score	.8
Exons	22896..23240, 23469..24235, 24447..24655, 24902..25171, 25433..25592, 25750..25858, 26971..27036		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54814	Strand	+
Start	22896	End	27036
Name	OJ990325_04.0114.C5.o3.np	Method	AAT/NAP
Start	23790	End	25879

GI	129021	Score	774
Exons	23790..24235, 24447..24720, 24880..25237, 25526..25592, 25750..25879		
GI Descrip.	SPO0B-ASSOCIATED GTP-BINDING PROTEIN gi|98326|pir||B32804 GTP-binding protein, spo0B 3'-region - Bacillus subtilis gi|508979 (M24537) GTP-binding protein [Bacillus subtilis] gi|2635257|emb|CAB14752| (Z99118) GTPase activity [Bacillus subtilis]		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54814	Strand	+
Start	22896	End	27036
Name	OJ990325_04.0114.C5.o3.gp	Method	AAT/GAP
Start	25736	End	26195
GI	none	Score	688
Exons	25736..25858, 25945..26195		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54815	Strand	-
Start	665	End	1767
Name	OJ990325_04.0114.C5.o1.gs	Method	GENSCAN
Start	665	End	1767
GI	none	Score	.8
Exons	665..811, 1534..1767		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54816	Strand	-
Start	17361	End	22769
Name	OJ990325_04.0114.C5.o3.gs	Method	GENSCAN
Start	17361	End	22769
GI	none	Score	.74
Exons	17361..17612, 18079..18156, 18247..18318, 18397..18496, 19072..19123, 19305..19360, 19435..19480, 19560..19611, 20200..20250, 20671..20762, 20857..20986, 21085..21159, 21362..21472, 21566..21658, 21886..22020, 22701..22769		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54816	Strand	-
Start	17361	End	22769
Name	OJ990325_04.0114.C5.o2.gp	Method	AAT/GAP
Start	17711	End	19491
GI	9041_1.R1084	Score	1452
Exons	17711..17970, 18079..18156, 18247..18318, 18397..18496, 18597..18637, 18731..18801, 18916..18995, 19072..19123, 19305..19360, 19435..19491		
GI Descrip.	'2130052/pir||S65467 1.0e-112 xylose isomerase (EC 5.3.1.5) - barley >gi_1296809_emb_CAA64545_ (X95257) xylose isomerase [Hordeum vulgare]'		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54816	Strand	-
Start	17361	End	22769
Name	OJ990325_04.0114.C5.o2.np	Method	AAT/NAP
Start	17938	End	21625
GI	6175480	Score	1769
Exons	17938..17970, 18079..18156, 18247..18318, 18397..18496, 18597..18637, 18731..18801, 18916..18995, 19072..19123,		

	19305..19360, 19435..19480, 19560..19611, 19716..19817, 19896..19950, 20030..20109, 20200..20250, 20671..20762, 20857..20986, 21085..21159, 21362..21472, 21566..21625		
GI Descrip.	XYLOSE ISOMERASE gi|2130052|pir||S65467 xylose isomerase (EC 5.3.1.5) - barley gi|1296809|emb|CAA64545| (X95257) xylose isomerase [Hordeum vulgare]		
Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o2.tm	Method	TBLASTX:Maize
Start	11428	End	12675
GI	none	Score	163
Exons	11428..11541, 11431..11556, 12191..12391, 12192..12395, 12355..12396, 12396..12674, 12399..12674, 12556..12675		
Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o5.tm	Method	TBLASTX:Maize
Start	14646	End	14999
GI	none	Score	151
Exons	14646..14756, 14646..14768, 14647..14766, 14651..14782, 14840..14998, 14841..14999		
Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o3.tm	Method	TBLASTX:Maize
Start	15344	End	15776
GI	none	Score	576
Exons	15344..15697, 15345..15716, 15657..15776, 15687..15776		
Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o6.tm	Method	TBLASTX:Maize
Start	16303	End	16551
GI	none	Score	276
Exons	16303..16539, 16306..16551, 16337..16549		
Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o1.tm	Method	TBLASTX:Maize
Start	17898	End	21472
GI	none	Score	98
Exons	17898..17972, 17900..17977, 17900..17974, 18058..18156, 18077..18166, 18077..18157, 18246..18335, 18247..18318, 18396..18497, 18397..18495, 18567..18641, 18576..18635, 18596..18637, 18730..18801, 18731..18802, 18756..18803, 18905..18997, 18914..18997, 18915..18998, 19070..19123, 19072..19128, 19074..19127, 19291..19362, 19304..19360, 19429..19482, 19431..19487, 19555..19611, 19556..19612, 19565..19612, 19716..19823, 19716..19823, 19717..19824, 19887..19955, 19893..19952, 20030..20128, 20030..20110, 20032..20115, 20196..20252, 20200..20256, 20200..20259,		

20201..20260, 20670..20741, 20674..20763, 20675..20764,
20678..20761, 20849..21028, 20849..21028, 20850..21029,
21079..21162, 21083..21160, 21085..21171, 21362..21472,
21363..21470

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o1.ts	Method	TBLASTX:Soybean
Start	17930	End	21472
GI	none	Score	53

Exons 17930..17986, 18062..18157, 18079..18162, 18079..18156,
18247..18318, 18248..18319, 18273..18326, 18395..18466,
18397..18495, 18567..18641, 18596..18637, 18731..18802,
18749..18802, 18914..18997, 18915..18998, 18924..18998,
18925..18999, 19072..19128, 19074..19127, 19297..19362,
19304..19360, 19429..19482, 19431..19487, 19549..19611,
19556..19612, 19716..19799, 19716..19823, 19726..19818,
19893..19952, 19895..19933, 20030..20101, 20032..20115,
20195..20260, 20674..20763, 20678..20761, 20838..21029,
20849..21028, 20857..21039, 21059..21160, 21079..21171,
21085..21171, 21101..21184, 21332..21415, 21345..21419,
21419..21472, 21423..21458

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o1.tw	Method	TBLASTX:Wheat
Start	17932	End	18802
GI	none	Score	65

Exons 17932..17973, 17933..17977, 18077..18157, 18079..18156,
18247..18318, 18248..18319, 18263..18319, 18397..18495,
18397..18495, 18567..18641, 18596..18649, 18596..18634,
18597..18635, 18731..18802, 18732..18800

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o1.tc	Method	TBLASTX:Cress
Start	18058	End	19488
GI	none	Score	81

Exons 18058..18153, 18062..18157, 18247..18318, 18391..18495,
18392..18466, 18567..18641, 18596..18637, 18731..18802,
18749..18805, 18914..18997, 18915..18986, 18931..18999,
19074..19121, 19078..19128, 19307..19360, 19309..19362,
19429..19488, 19431..19481

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o2.tc	Method	TBLASTX:Cress
Start	19555	End	21469
GI	none	Score	69

Exons 19555..19611, 19556..19612, 19716..19823, 19719..19811,
19723..19818, 19893..19952, 19893..19952, 20030..20170,
20032..20115, 20200..20253, 20853..20987, 20886..20906,
20912..21028, 20913..21029, 21059..21160, 21076..21171,

21076..21171, 21101..21175, 21345..21419, 21362..21415,
21419..21469

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o4.tm	Method	TBLASTX:Maize
Start	24180	End	25846
GI	none	Score	84
Exons	24180..24239, 24180..24236, 24182..24241, 24441..24722, 24448..24708, 24448..24723, 24880..25179, 24891..25172, 25427..25594, 25434..25613, 25435..25593, 25736..25846, 25741..25815, 25760..25843		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o2.ts	Method	TBLASTX:Soybean
Start	24630	End	25143
GI	none	Score	135
Exons	24630..24722, 24631..24708, 24866..25057, 24866..25024, 24880..25143, 24883..25029, 24891..25124		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o3.tc	Method	TBLASTX:Cress
Start	24880	End	25572
GI	none	Score	311
Exons	24880..25149, 24883..25146, 24891..25163, 25480..25572		

Seq. No.	26421	Seq. ID	OJ990325_04.0114.C5
Gene No.	54817	Strand	-
Start	27948	End	28487
Name	OJ990325_04.0114.C5.o5.gs	Method	GENSCAN
Start	27948	End	28487
GI	none	Score	.92
Exons	27948..28066, 28108..28381, 28408..28487		

Seq. No.	26422	Seq. ID	OJ990325_04.0114.C6
Gene No.	54818	Strand	+
Start	464	End	523
Name	OJ990325_04.0114.C6.o1.gs	Method	GENSCAN
Start	464	End	523
GI	none	Score	.5
Exons	464..523		

Seq. No.	26423	Seq. ID	OJ990325_04.0114.C7
Gene No.	54819	Strand	-
Start	2693	End	3782
Name	OJ990325_04.0114.C7.o1.np	Method	AAT/NAP
Start	2693	End	3782
GI	6815053	Score	657
Exons	2693..2930, 2980..3135, 3636..3782		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	26423	Seq. ID	OJ990325_04.0114.C7

Gene No.	54820	Strand	-
Start	5030	End	5168
Name	OJ990325_04.0114.C7.o2.np	Method	AAT/NAP
Start	5030	End	5168
GI	5852093	Score	71
Exons	5030..5168		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	26423	Seq. ID	OJ990325_04.0114.C7
Gene No.	54821	Strand	-
Start	9001	End	12675
Name	OJ990325_04.0114.C7.o2.gs	Method	GENSCAN
Start	9001	End	12401
GI	none	Score	.42
Exons	9001..9046, 9540..9596, 10081..10716, 11001..11223, 12248..12401		

Seq. No.	26423	Seq. ID	OJ990325_04.0114.C7
Gene No.	54821	Strand	-
Start	9001	End	12675
Name	OJ990325_04.0114.C7.o3.np	Method	AAT/NAP
Start	10068	End	12675
GI	6069646	Score	393
Exons	10068..11091, 12614..12675		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26423	Seq. ID	OJ990325_04.0114.C7
Gene No.	54821	Strand	-
Start	9001	End	12675
Name	OJ990325_04.0114.C7.o2.tw	Method	TBLASTX:Wheat
Start	10086	End	10487
GI	none	Score	97
Exons	10086..10259, 10338..10487		

Seq. No.	26423	Seq. ID	OJ990325_04.0114.C7
Gene No.	54821	Strand	-
Start	9001	End	12675
Name	OJ990325_04.0114.C7.o1.tm	Method	TBLASTX:Maize
Start	10273	End	10554
GI	none	Score	124
Exons	10273..10554, 10275..10550		

Seq. No.	26423	Seq. ID	OJ990325_04.0114.C7
Gene No.	54821	Strand	-
Start	9001	End	12675
Name	OJ990325_04.0114.C7.o1.tw	Method	TBLASTX:Wheat
Start	10494	End	10882
GI	none	Score	84
Exons	10494..10655, 10513..10656, 10703..10882		

Seq. No.	26423	Seq. ID	OJ990325_04.0114.C7
Gene No.	54821	Strand	-
Start	9001	End	12675
Name	OJ990325_04.0114.C7.o2.tm	Method	TBLASTX:Maize

Start	10886	End	11111
GI	none	Score	125
Exons	10886..11110, 10887..11111		

Seq. No.	26424	Seq. ID	OJ990325_04.0114.C8
Gene No.	54822	Strand	-
Start	1897	End	2853
Name	OJ990325_04.0114.C8.o2.gs	Method	GENSCAN
Start	1897	End	2853
GI	none	Score	1
Exons	1897..2853		

Seq. No.	26424	Seq. ID	OJ990325_04.0114.C8
Gene No.	54822	Strand	-
Start	1897	End	2853
Name	OJ990325_04.0114.C8.o1.np	Method	AAT/NAP
Start	2122	End	2739
GI	6942018	Score	284
Exons	2122..2739		
GI Descrip.	(AF216581) AP2/EREBP-like transcription factor LEAFY PETIOLE [Arabidopsis thaliana]		

Seq. No.	26424	Seq. ID	OJ990325_04.0114.C8
Gene No.	54822	Strand	-
Start	1897	End	2853
Name	OJ990325_04.0114.C8.o1.tw	Method	TBLASTX:Wheat
Start	2497	End	2687
GI	none	Score	78
Exons	2497..2682, 2612..2680, 2622..2687		

Seq. No.	26424	Seq. ID	OJ990325_04.0114.C8
Gene No.	54822	Strand	-
Start	1897	End	2853
Name	OJ990325_04.0114.C8.o1.ts	Method	TBLASTX:Soybean
Start	2509	End	2689
GI	none	Score	115
Exons	2509..2688, 2516..2689		

Seq. No.	26424	Seq. ID	OJ990325_04.0114.C8
Gene No.	54822	Strand	-
Start	1897	End	2853
Name	OJ990325_04.0114.C8.o1.tc	Method	TBLASTX:Cress
Start	2515	End	2685
GI	none	Score	220
Exons	2515..2685		

Seq. No.	26424	Seq. ID	OJ990325_04.0114.C8
Gene No.	54822	Strand	-
Start	1897	End	2853
Name	OJ990325_04.0114.C8.o1.tm	Method	TBLASTX:Maize
Start	2515	End	2695
GI	none	Score	84
Exons	2515..2685, 2612..2695		

Seq. No.	26425	Seq. ID	OJ990325_04.0114.C10
Gene No.	54823	Strand	-
Start	2240	End	3331

Name	OJ990325_04.0114.C10.o2.gs	Method	GENSCAN
Start	2240	End	3331
GI	none	Score	.53
Exons	2240..2353, 2466..2583, 2728..2754, 3306..3331		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54824	Strand	+
Start	466	End	782
Name	OJ990325_04.0114.C11.o1.gs	Method	GENSCAN
Start	466	End	782
GI	none	Score	.43
Exons	466..574, 690..782		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54825	Strand	+
Start	4671	End	5615
Name	OJ990325_04.0114.C11.o2.gp	Method	AAT/GAP
Start	4671	End	5615
GI	16721_2.R1084	Score	1855
Exons	4671..5615		
GI Descrip.	'4454033/emb|CAA23030.1| 1.0e-58 (AL035394) putative potassium transport protein [Arabidopsis thaliana]'		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54826	Strand	-
Start	1066	End	4147
Name	OJ990325_04.0114.C11.o1.gp	Method	AAT/GAP
Start	1066	End	3950
GI	none	Score	1334
Exons	1066..1274, 1541..1612, 1731..1793, 1869..1930, 2489..2649, 3784..3950		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54826	Strand	-
Start	1066	End	4147
Name	OJ990325_04.0114.C11.o2.gs	Method	GENSCAN
Start	1719	End	4147
GI	none	Score	.75
Exons	1719..1801, 2489..2649, 3478..3611, 3902..4147		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o4.tm	Method	TBLASTX:Maize
Start	1867	End	4005
GI	none	Score	82
Exons	1867..1938, 1869..1931, 2480..2650, 2487..2600, 2487..2660, 2488..2652, 3783..3887, 3783..3893, 3784..3894, 3955..4005		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o5.ts	Method	TBLASTX:Soybean
Start	2493	End	3869
GI	none	Score	140
Exons	2493..2651, 2494..2652, 3807..3869		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o1.tm	Method	TBLASTX:Maize
Start	4902	End	6662
GI	none	Score	242
Exons	4902..5207, 4906..5214, 5172..5639, 5281..5640, 5637..5681, 5640..5669, 5661..5993, 5664..5993, 5665..5994, 5914..5994, 6495..6662, 6524..6661		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o1.tc	Method	TBLASTX:Cress
Start	4905	End	9073
GI	none	Score	77
Exons	4905..5135, 4909..5085, 5391..5996, 5394..5873, 5395..5997, 6495..6770, 6515..6775, 6524..6775, 6858..6905, 6909..6980, 7102..7176, 7108..7158, 7236..7502, 7244..7501, 8287..8409, 8303..8419, 8304..8420, 8450..8545, 8454..8546, 8481..8546, 8835..8909, 8835..8912, 8836..9072, 8978..9037, 8984..9073		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o3.gs	Method	GENSCAN
Start	4905	End	13536
GI	none	Score	.64
Exons	4905..5992, 6526..6780, 7246..7506, 8130..8183, 8302..8544, 8838..9112, 9434..9649, 10015..10096, 13128..13160, 13500..13536		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o2.ts	Method	TBLASTX:Soybean
Start	4905	End	7288
GI	none	Score	227
Exons	4905..5120, 6488..6775, 6495..6770, 6858..6980, 7090..7161, 7244..7288		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o2.tw	Method	TBLASTX:Wheat
Start	4905	End	5180
GI	none	Score	111
Exons	4905..5180, 4908..5135		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o1.np	Method	AAT/NAP
Start	4908	End	10152
GI	6513926	Score	2425
Exons	4908..5992, 6526..6780, 6869..6983, 7105..7157, 7246..7506, 8130..8183, 8302..8544, 8838..9049, 10076..10152		
GI Descrip.	(AC011664) putative potassium transporter [Arabidopsis thaliana]		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o1.ts	Method	TBLASTX:Soybean
Start	5397	End	5996
GI	none	Score	245
Exons	5397..5972, 5397..5996, 5398..5994		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o3.gp	Method	AAT/GAP
Start	5844	End	5962
GI	none	Score	202
Exons	5844..5962		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o2.tm	Method	TBLASTX:Maize
Start	6662	End	7466
GI	none	Score	136
Exons	6662..6775, 6663..6773, 6666..6782, 6870..6980, 6870..6980, 6901..6981, 6904..6981, 7094..7165, 7102..7176, 7244..7453, 7245..7451, 7245..7466		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o3.ts	Method	TBLASTX:Soybean
Start	7289	End	7503
GI	none	Score	81
Exons	7289..7372, 7289..7501, 7290..7502, 7291..7503		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o3.tm	Method	TBLASTX:Maize
Start	7466	End	8547
GI	none	Score	176
Exons	7466..7507, 8129..8173, 8286..8423, 8303..8482, 8304..8423, 8417..8545, 8439..8546, 8455..8547		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o1.tw	Method	TBLASTX:Wheat
Start	8303	End	8546
GI	none	Score	177
Exons	8303..8425, 8304..8426, 8306..8431, 8314..8427, 8434..8544, 8435..8545, 8436..8546		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o4.ts	Method	TBLASTX:Soybean

Start	8303	End	9058
GI	none	Score	137
Exons	8303..8482, 8304..8423, 8450..8545, 8457..8546, 8499..8546, 8826..8966, 8839..9036, 8842..9048, 8861..9058		

Seq. No.	26426	Seq. ID	OJ990325_04.0114.C11
Gene No.	54827	Strand	-
Start	4905	End	13536
Name	OJ990325_04.0114.C11.o5.tm	Method	TBLASTX:Maize
Start	8864	End	9072
GI	none	Score	168
Exons	8864..9034, 8866..9036, 8866..9072		

Seq. No.	26427	Seq. ID	OJ990325_04.0114.C12
Gene No.	54828	Strand	+
Start	275	End	350
Name	OJ990325_04.0114.C12.o1.gs	Method	GENSCAN
Start	275	End	350
GI	none	Score	.54
Exons	275..350		

Seq. No.	26427	Seq. ID	OJ990325_04.0114.C12
Gene No.	54829	Strand	-
Start	2251	End	2352
Name	OJ990325_04.0114.C12.o2.gs	Method	GENSCAN
Start	2251	End	2352
GI	none	Score	.73
Exons	2251..2352		

Seq. No.	26428	Seq. ID	OJ990325_04.0114.C13
Gene No.	54830	Strand	+
Start	313	End	4397
Name	OJ990325_04.0114.C13.o1.np	Method	AAT/NAP
Start	313	End	4397
GI	6056403	Score	163
Exons	313..465, 1461..1533, 1620..1716, 1820..2101, 2276..2356, 4290..4397		
GI Descrip.	(AC009525) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26428	Seq. ID	OJ990325_04.0114.C13
Gene No.	54830	Strand	+
Start	313	End	4397
Name	OJ990325_04.0114.C13.o1.gs	Method	GENSCAN
Start	379	End	3616
GI	none	Score	.61
Exons	379..465, 1461..1533, 1851..2182, 2276..3616		

Seq. No.	26428	Seq. ID	OJ990325_04.0114.C13
Gene No.	54830	Strand	+
Start	313	End	4397
Name	OJ990325_04.0114.C13.o2.np	Method	AAT/NAP
Start	379	End	4397
GI	2244929	Score	181
Exons	379..472, 1399..1533, 1623..1915, 1997..2182, 2276..2353, 2868..3232, 3308..3452, 3492..3612, 4271..4397		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26428	Seq. ID	OJ990325_04.0114.C13
Gene No.	54830	Strand	+
Start	313	End	4397
Name	OJ990325_04.0114.C13.o1.tm	Method	TBLASTX:Maize
Start	1818	End	2679
GI	none	Score	134
Exons	1818..1964, 1825..1962, 1966..2181, 1970..2200, 2266..2679, 2273..2638, 2274..2678, 2275..2679		

Seq. No.	26428	Seq. ID	OJ990325_04.0114.C13
Gene No.	54830	Strand	+
Start	313	End	4397
Name	OJ990325_04.0114.C13.o3.tm	Method	TBLASTX:Maize
Start	2679	End	2908
GI	none	Score	211
Exons	2679..2792, 2680..2904, 2681..2905, 2681..2908, 2682..2906		

Seq. No.	26428	Seq. ID	OJ990325_04.0114.C13
Gene No.	54830	Strand	+
Start	313	End	4397
Name	OJ990325_04.0114.C13.o1.gp	Method	AAT/GAP
Start	2839	End	3222
GI	none	Score	718
Exons	2839..3222		

Seq. No.	26428	Seq. ID	OJ990325_04.0114.C13
Gene No.	54830	Strand	+
Start	313	End	4397
Name	OJ990325_04.0114.C13.o2.tm	Method	TBLASTX:Maize
Start	3383	End	3621
GI	none	Score	284
Exons	3383..3619, 3394..3621		

Seq. No.	26429	Seq. ID	OJ990325_04.0114.C14
Gene No.	54831	Strand	+
Start	1	End	4766
Name	OJ990325_04.0114.C14.o2.np	Method	AAT/NAP
Start	1	End	4766
GI	6056403	Score	219
Exons	1..41, 2353..2399, 2482..2639, 3400..3557, 3862..4025, 4581..4766		
GI Descrip.	(AC009525) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26429	Seq. ID	OJ990325_04.0114.C14
Gene No.	54831	Strand	+
Start	1	End	4766
Name	OJ990325_04.0114.C14.o1.gs	Method	GENSCAN
Start	213	End	4713
GI	none	Score	.74
Exons	213..585, 718..2399, 2482..2639, 3400..3557, 3865..4025, 4581..4713		

Seq. No.	26429	Seq. ID	OJ990325_04.0114.C14
Gene No.	54831	Strand	+
Start	1	End	4766
Name	OJ990325_04.0114.C14.o1.gp	Method	AAT/GAP
Start	1758	End	2282

GI	4715781	Score	1039
Exons	1758..2282		

Seq. No.	26429	Seq. ID	OJ990325_04.0114.C14
Gene No.	54831	Strand	+
Start	1	End	4766
Name	OJ990325_04.0114.C14.o1.tm	Method	TBLASTX:Maize
Start	1982	End	3494
GI	none	Score	464
Exons	1982..2398, 1983..2399, 1984..2400, 1988..2407, 2094..2402, 2474..2566, 2481..2567, 2490..2567, 2491..2568, 2551..2637, 2565..2639, 2577..2648, 3391..3471, 3392..3493, 3399..3494		

Seq. No.	26429	Seq. ID	OJ990325_04.0114.C14
Gene No.	54831	Strand	+
Start	1	End	4766
Name	OJ990325_04.0114.C14.o2.tm	Method	TBLASTX:Maize
Start	3497	End	4045
GI	none	Score	88
Exons	3497..3568, 3497..3559, 3502..3570, 3854..4045, 3855..4031		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54832	Strand	+
Start	609	End	1948
Name	OJ990325_04.0114.C15.o1.gs	Method	GENSCAN
Start	609	End	1948
GI	none	Score	.57
Exons	609..741, 1372..1464, 1908..1948		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54832	Strand	+
Start	609	End	1948
Name	OJ990325_04.0114.C15.o1.gp	Method	AAT/GAP
Start	727	End	1279
GI	none	Score	1035
Exons	727..1279		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54833	Strand	+
Start	4992	End	6392
Name	OJ990325_04.0114.C15.o3.gs	Method	GENSCAN
Start	4992	End	6392
GI	none	Score	.48
Exons	4992..5078, 5137..5207, 6197..6392		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54834	Strand	-
Start	2608	End	4788
Name	OJ990325_04.0114.C15.o2.tm	Method	TBLASTX:Maize
Start	710	End	1078
GI	none	Score	157
Exons	710..826, 711..827, 883..912, 916..981, 921..959, 1019..1078		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54834	Strand	-
Start	2608	End	4788
Name	OJ990325_04.0114.C15.o2.gs	Method	GENSCAN

Start	2608	End	4788
GI	none	Score	1
Exons	2608..4788		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54834	Strand	-
Start	2608	End	4788
Name	OJ990325_04.0114.C15.o1.tm	Method	TBLASTX:Maize
Start	2617	End	4629
GI	none	Score	213
Exons	2617..2727, 2747..3373, 2749..3861, 3187..3459, 3523..3822, 3536..3670, 3571..3732, 3865..4131, 3865..4101, 3865..4125, 3866..4105, 3878..4132, 4003..4128, 4124..4414, 4144..4416, 4156..4428, 4156..4338, 4465..4629, 4465..4629		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54834	Strand	-
Start	2608	End	4788
Name	OJ990325_04.0114.C15.o1.np	Method	AAT/NAP
Start	2629	End	4689
GI	4049345	Score	1446
Exons	2629..4689		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54834	Strand	-
Start	2608	End	4788
Name	OJ990325_04.0114.C15.o1.ts	Method	TBLASTX:Soybean
Start	2761	End	3213
GI	none	Score	323
Exons	2761..3213		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54834	Strand	-
Start	2608	End	4788
Name	OJ990325_04.0114.C15.o1.tc	Method	TBLASTX:Cress
Start	2770	End	3282
GI	none	Score	264
Exons	2770..3282		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54834	Strand	-
Start	2608	End	4788
Name	OJ990325_04.0114.C15.o2.ts	Method	TBLASTX:Soybean
Start	3217	End	4629
GI	none	Score	76
Exons	3217..3354, 3274..3438, 3517..3660, 3548..3640, 3580..3852, 3838..3948, 3866..3982, 3868..4101, 4016..4102, 4136..4252, 4150..4251, 4474..4629		

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54834	Strand	-
Start	2608	End	4788
Name	OJ990325_04.0114.C15.o1.tw	Method	TBLASTX:Wheat
Start	3277	End	4410
GI	none	Score	78
Exons	3277..3450, 3472..3507, 3523..3666, 3533..3667, 3583..3855,		

3865..3954, 3874..4101, 3905..3964, 3965..4036, 4156..4263, 4162..4239, 4180..4410

Seq. No.	26430	Seq. ID	OJ990325_04.0114.C15
Gene No.	54834	Strand	-
Start	2608	End	4788
Name	OJ990325_04.0114.C15.o2.tc	Method	TBLASTX:Cress
Start	3283	End	4476
GI	none	Score	58
Exons	3283..3450, 3286..3450, 3523..3804, 3523..3681, 3856..4122, 3868..4149, 3875..3949, 4028..4129, 4030..4152, 4156..4410, 4159..4476, 4187..4309		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54835	Strand	+
Start	3662	End	4663
Name	OJ990325_04.0114.C16.o2.gs	Method	GENSCAN
Start	3662	End	4663
GI	none	Score	.76
Exons	3662..4012, 4095..4197, 4257..4663		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54836	Strand	+
Start	6054	End	15141
Name	OJ990325_04.0114.C16.o3.gs	Method	GENSCAN
Start	6054	End	15141
GI	none	Score	.42
Exons	6054..6803, 7146..7230, 7542..7755, 7828..8257, 8674..8887, 9007..9142, 9227..9251, 9761..9929, 11141..11218, 11450..11563, 12016..12263, 12327..12649, 13804..13910, 14942..15141		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54836	Strand	+
Start	6054	End	15141
Name	OJ990325_04.0114.C16.o1.np	Method	AAT/NAP
Start	6201	End	9314
GI	2623295	Score	341
Exons	6201..6364, 7751..8257, 8674..8935, 9022..9142, 9227..9314		
GI Descrip.	(AC002409) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54836	Strand	+
Start	6054	End	15141
Name	OJ990325_04.0114.C16.o2.np	Method	AAT/NAP
Start	10081	End	11560
GI	5042462	Score	143
Exons	10081..10191, 11317..11560		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54836	Strand	+
Start	6054	End	15141
Name	OJ990325_04.0114.C16.o3.np	Method	AAT/NAP
Start	12087	End	12650
GI	1703574	Score	453
Exons	12087..12650		

GI Descrip. (U80437) No definition line found [Caenorhabditis elegans]

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54836	Strand	+
Start	6054	End	15141
Name	OJ990325_04.0114.C16.o1.gp	Method	AAT/GAP
Start	13892	End	14214
GI	3762717	Score	496
Exons	13892..14214		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54837	Strand	-
Start	1207	End	1588
Name	OJ990325_04.0114.C16.o1.gs	Method	GENSCAN
Start	1207	End	1588
GI	none	Score	.67
Exons	1207..1311, 1520..1588		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54838	Strand	
Start	3641	End	3967
Name	OJ990325_04.0114.C16.o3.tm	Method	TBLASTX:Maize
Start	3641	End	3967
GI	none	Score	125
Exons	3641..3766, 3658..3768, 3788..3907, 3911..3967		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54839	Strand	
Start	12099	End	12674
Name	OJ990325_04.0114.C16.o1.tc	Method	TBLASTX:Cress
Start	12099	End	12614
GI	none	Score	511
Exons	12099..12614, 12119..12235, 12398..12601		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54839	Strand	
Start	12099	End	12674
Name	OJ990325_04.0114.C16.o1.ts	Method	TBLASTX:Soybean
Start	12099	End	12647
GI	none	Score	552
Exons	12099..12614, 12119..12235, 12317..12607, 12528..12647		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54839	Strand	
Start	12099	End	12674
Name	OJ990325_04.0114.C16.o1.tm	Method	TBLASTX:Maize
Start	12099	End	12326
GI	none	Score	364
Exons	12099..12326, 12119..12208		

Seq. No.	26431	Seq. ID	OJ990325_04.0114.C16
Gene No.	54839	Strand	
Start	12099	End	12674
Name	OJ990325_04.0114.C16.o2.tm	Method	TBLASTX:Maize
Start	12501	End	12674
GI	none	Score	189
Exons	12501..12617, 12503..12610, 12528..12674, 12598..12663		

Seq. No.	26432	Seq. ID	OJ990325_04.0114.C18
Gene No.	54840	Strand	-
Start	59	End	239
Name	OJ990325_04.0114.C18.o1.gs	Method	GENSCAN
Start	59	End	239
GI	none	Score	.82
Exons	59..159, 185..239		

Seq. No.	26433	Seq. ID	OJ990325_04.0114.C19
Gene No.	54841	Strand	-
Start	110	End	332
Name	OJ990325_04.0114.C19.o1.gs	Method	GENSCAN
Start	110	End	332
GI	none	Score	.7
Exons	110..254, 282..332		

Seq. No.	26434	Seq. ID	OJ990325_04.0114.C20
Gene No.	54842	Strand	-
Start	12	End	626
Name	OJ990325_04.0114.C20.o1.gs	Method	GENSCAN
Start	12	End	617
GI	none	Score	.82
Exons	12..617		

Seq. No.	26434	Seq. ID	OJ990325_04.0114.C20
Gene No.	54842	Strand	-
Start	12	End	626
Name	OJ990325_04.0114.C20.o1.np	Method	AAT/NAP
Start	288	End	626
GI	5042447	Score	250
Exons	288..626		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26434	Seq. ID	OJ990325_04.0114.C20
Gene No.	54842	Strand	-
Start	12	End	626
Name	OJ990325_04.0114.C20.o1.tm	Method	TBLASTX:Maize
Start	345	End	624
GI	none	Score	68
Exons	345..623, 541..624		

Seq. No.	26434	Seq. ID	OJ990325_04.0114.C20
Gene No.	54842	Strand	-
Start	12	End	626
Name	OJ990325_04.0114.C20.o1.tw	Method	TBLASTX:Wheat
Start	348	End	623
GI	none	Score	101
Exons	348..623, 354..623		

Seq. No.	26435	Seq. ID	OJ990325_04.0114.C21
Gene No.	54843	Strand	-
Start	1	End	734
Name	OJ990325_04.0114.C21.o1.np	Method	AAT/NAP
Start	1	End	734
GI	6056403	Score	106
Exons	1..63, 179..234, 321..393, 678..734		

GI Descrip. (AC009525) Hypothetical protein [Arabidopsis thaliana]

Seq. No.	26435	Seq. ID	OJ990325_04.0114.C21
Gene No.	54843	Strand	-
Start	1	End	734
Name	OJ990325_04.0114.C21.o1.gs	Method	GENSCAN
Start	321	End	393
GI	none	Score	.43
Exons	321..393		

Seq. No.	26436	Seq. ID	OJ990325_04.0114.C22
Gene No.	54844	Strand	-
Start	1	End	652
Name	OJ990325_04.0114.C22.o1.np	Method	AAT/NAP
Start	1	End	350
GI	2384675	Score	264
Exons	1..44, 108..350		
GI Descrip.	(AF012659) putative potassium transporter AtKT4p [Arabidopsis thaliana]		

Seq. No.	26436	Seq. ID	OJ990325_04.0114.C22
Gene No.	54844	Strand	-
Start	1	End	652
Name	OJ990325_04.0114.C22.o1.tc	Method	TBLASTX:Cress
Start	4	End	352
GI	none	Score	120
Exons	4..78, 93..215, 109..225, 110..226, 256..351, 260..352, 287..352		

Seq. No.	26436	Seq. ID	OJ990325_04.0114.C22
Gene No.	54844	Strand	-
Start	1	End	652
Name	OJ990325_04.0114.C22.o1.tm	Method	TBLASTX:Maize
Start	92	End	352
GI	none	Score	176
Exons	92..229, 109..288, 110..229, 223..351, 245..352		

Seq. No.	26436	Seq. ID	OJ990325_04.0114.C22
Gene No.	54844	Strand	-
Start	1	End	652
Name	OJ990325_04.0114.C22.o1.ts	Method	TBLASTX:Soybean
Start	109	End	352
GI	none	Score	137
Exons	109..288, 110..229, 256..351, 263..352, 305..352		

Seq. No.	26436	Seq. ID	OJ990325_04.0114.C22
Gene No.	54844	Strand	-
Start	1	End	652
Name	OJ990325_04.0114.C22.o1.tw	Method	TBLASTX:Wheat
Start	109	End	352
GI	none	Score	177
Exons	109..231, 110..232, 112..237, 120..233, 240..350, 241..351, 242..352		

Seq. No.	26436	Seq. ID	OJ990325_04.0114.C22
Gene No.	54844	Strand	-
Start	1	End	652
Name	OJ990325_04.0114.C22.o1.gs	Method	GENSCAN

Start	134	End	652
GI	none	Score	.53
Exons	134..316, 644..652		

Seq. No.	26437	Seq. ID	OJ990325_04.0114.C24
Gene No.	54845	Strand	-
Start	1	End	547
Name	OJ990325_04.0114.C24.o1.np	Method	AAT/NAP
Start	1	End	547
GI	4809193	Score	248
Exons	1..91, 170..224, 304..383, 477..547		
GI Descrip.	(AF140230) xylose isomerase [Oryza sativa]		

Seq. No.	26437	Seq. ID	OJ990325_04.0114.C24
Gene No.	54845	Strand	-
Start	1	End	547
Name	OJ990325_04.0114.C24.o1.tm	Method	TBLASTX:Maize
Start	66	End	537
GI	none	Score	38
Exons	66..98, 68..97, 161..229, 167..226, 304..402, 304..384, 306..389, 473..529, 477..533, 477..536, 478..537		

Seq. No.	26437	Seq. ID	OJ990325_04.0114.C24
Gene No.	54845	Strand	-
Start	1	End	547
Name	OJ990325_04.0114.C24.o1.tc	Method	TBLASTX:Cress
Start	68	End	530
GI	none	Score	50
Exons	68..97, 167..226, 167..226, 304..444, 306..389, 477..530		

Seq. No.	26437	Seq. ID	OJ990325_04.0114.C24
Gene No.	54845	Strand	-
Start	1	End	547
Name	OJ990325_04.0114.C24.o1.gs	Method	GENSCAN
Start	170	End	303
GI	none	Score	.76
Exons	170..303		

Seq. No.	26438	Seq. ID	OJ990325_04.0114.C25
Gene No.	54846	Strand	+
Start	337	End	396
Name	OJ990325_04.0114.C25.o1.gs	Method	GENSCAN
Start	337	End	396
GI	none	Score	.56
Exons	337..396		

Seq. No.	26439	Seq. ID	OJ990325_04.0114.C28
Gene No.	54847	Strand	+
Start	462	End	633
Name	OJ990325_04.0114.C28.o1.gs	Method	GENSCAN
Start	462	End	633
GI	none	Score	.7
Exons	462..633		

Seq. No.	26440	Seq. ID	OJ990325_04.0114.C34
Gene No.	54848	Strand	+
Start	62	End	500

Name	OJ990325_04.0114.C34.o1.gp	Method	AAT/GAP
Start	62	End	385
GI	none	Score	590
Exons	62..385		

Seq. No.	26440	Seq. ID	OJ990325_04.0114.C34
Gene No.	54848	Strand	+
Start	62	End	500
Name	OJ990325_04.0114.C34.o1.gs	Method	GENSCAN
Start	126	End	500
GI	none	Score	.65
Exons	126..500		

Seq. No.	26441	Seq. ID	OJ990325_04.0114.C36
Gene No.	54849	Strand	+
Start	1	End	705
Name	OJ990325_04.0114.C36.o1.np	Method	AAT/NAP
Start	1	End	705
GI	4809193	Score	319
Exons	1..94, 170..239, 330..409, 489..543, 622..705		
GI Descrip.	(AF140230) xylose isomerase [Oryza sativa]		

Seq. No.	26441	Seq. ID	OJ990325_04.0114.C36
Gene No.	54849	Strand	+
Start	1	End	705
Name	OJ990325_04.0114.C36.o1.tm	Method	TBLASTX:Maize
Start	179	End	703
GI	none	Score	83
Exons	179..238, 180..239, 183..239, 191..241, 311..409, 319..396, 324..407, 329..409, 484..552, 487..546, 643..699, 644..703, 644..700		

Seq. No.	26441	Seq. ID	OJ990325_04.0114.C36
Gene No.	54849	Strand	+
Start	1	End	705
Name	OJ990325_04.0114.C36.o1.ts	Method	TBLASTX:Soybean
Start	179	End	703
GI	none	Score	113
Exons	179..244, 324..407, 327..407, 338..409, 344..412, 487..546, 506..544, 636..659, 644..703, 644..703		

Seq. No.	26441	Seq. ID	OJ990325_04.0114.C36
Gene No.	54849	Strand	+
Start	1	End	705
Name	OJ990325_04.0114.C36.o1.tc	Method	TBLASTX:Cress
Start	186	End	703
GI	none	Score	74
Exons	186..239, 269..409, 324..407, 487..546, 487..546, 501..557, 616..675, 644..703, 644..703		

Seq. No.	26441	Seq. ID	OJ990325_04.0114.C36
Gene No.	54849	Strand	+
Start	1	End	705
Name	OJ990325_04.0114.C36.o1.gs	Method	GENSCAN
Start	410	End	543
GI	none	Score	.7
Exons	410..543		

Seq. No.	26442	Seq. ID	OJ990325_04.0114.C37
Gene No.	54850	Strand	+
Start	69	End	291
Name	OJ990325_04.0114.C37.o1.gs	Method	GENSCAN
Start	69	End	291
GI	none	Score	.44
Exons	69..291		

Seq. No.	26443	Seq. ID	OJ990325_04.0114.C38
Gene No.	54851	Strand	+
Start	584	End	1843
Name	OJ990325_04.0114.C38.o1.gs	Method	GENSCAN
Start	584	End	1282
GI	none	Score	1
Exons	584..1282		

Seq. No.	26443	Seq. ID	OJ990325_04.0114.C38
Gene No.	54851	Strand	+
Start	584	End	1843
Name	OJ990325_04.0114.C38.o1.np	Method	AAT/NAP
Start	584	End	1843
GI	1922937	Score	104
Exons	584..976, 1821..1843		
GI Descrip.	(AC000106) Similar to Glycine SRC2 (gb|AB000130)! ESTs gb|H76869,gb|T21700,gb|ATTS5089 come from this gene. [Arabidopsis thaliana]		

Seq. No.	26444	Seq. ID	OJ990325_04.0114.C39
Gene No.	54852	Strand	+
Start	285	End	360
Name	OJ990325_04.0114.C39.o1.gs	Method	GENSCAN
Start	285	End	360
GI	none	Score	.53
Exons	285..360		

Seq. No.	26445	Seq. ID	OJ990325_04.0114.C40
Gene No.	54853	Strand	+
Start	1	End	570
Name	OJ990325_04.0114.C40.o1.np	Method	AAT/NAP
Start	1	End	570
GI	5257279	Score	449
Exons	1..570		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	26445	Seq. ID	OJ990325_04.0114.C40
Gene No.	54853	Strand	+
Start	1	End	570
Name	OJ990325_04.0114.C40.o1.tm	Method	TBLASTX:Maize
Start	130	End	492
GI	none	Score	237
Exons	130..492, 213..461		

Seq. No.	26445	Seq. ID	OJ990325_04.0114.C40
Gene No.	54853	Strand	+
Start	1	End	570

Name	OJ990325_04.0114.C40.o1.tw	Method	TBLASTX:Wheat
Start	175	End	562
GI	none	Score	332
Exons	175..546, 237..545, 248..562		

Seq. No.	26446	Seq. ID	OJ990325_04.0114.C41
Gene No.	54854	Strand	-
Start	207	End	336
Name	OJ990325_04.0114.C41.o1.gs	Method	GENSCAN
Start	207	End	336
GI	none	Score	.47
Exons	207..336		

Seq. No.	26447	Seq. ID	OJ990325_04.0114.C42
Gene No.	54855	Strand	-
Start	216	End	323
Name	OJ990325_04.0114.C42.o1.gs	Method	GENSCAN
Start	216	End	323
GI	none	Score	.84
Exons	216..323		

Seq. No.	26448	Seq. ID	OJ990325_04.0114.C43
Gene No.	54856	Strand	-
Start	319	End	419
Name	OJ990325_04.0114.C43.o1.gs	Method	GENSCAN
Start	319	End	419
GI	none	Score	.84
Exons	319..419		

Seq. No.	26449	Seq. ID	OJ990325_04.0114.C44
Gene No.	54857	Strand	-
Start	40	End	175
Name	OJ990325_04.0114.C44.o1.gs	Method	GENSCAN
Start	40	End	175
GI	none	Score	.56
Exons	40..175		

Seq. No.	26450	Seq. ID	OJ990325_04.0114.C45
Gene No.	54858	Strand	+
Start	461	End	786
Name	OJ990325_04.0114.C45.o1.np	Method	AAT/NAP
Start	461	End	786
GI	5922631	Score	385
Exons	461..786		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	26450	Seq. ID	OJ990325_04.0114.C45
Gene No.	54858	Strand	+
Start	461	End	786
Name	OJ990325_04.0114.C45.o1.gs	Method	GENSCAN
Start	464	End	723

GI	none	Score	.6
Exons	464..723		

Seq. No.	26451	Seq. ID	OJ990325_04.0114.C46
Gene No.	54859	Strand	+
Start	386	End	596
Name	OJ990325_04.0114.C46.o1.gs	Method	GENSCAN
Start	386	End	596
GI	none	Score	.63
Exons	386..468, 568..596		

Seq. No.	26451	Seq. ID	OJ990325_04.0114.C46
Gene No.	54860	Strand	-
Start	1	End	915
Name	OJ990325_04.0114.C46.o1.np	Method	AAT/NAP
Start	1	End	915
GI	5852181	Score	115
Exons	1..52, 778..915		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	26452	Seq. ID	OJ990325_04.0114.C47
Gene No.	54861	Strand	-
Start	1	End	582
Name	OJ990325_04.0114.C47.o1.np	Method	AAT/NAP
Start	1	End	582
GI	5922631	Score	297
Exons	1..57, 256..582		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	26452	Seq. ID	OJ990325_04.0114.C47
Gene No.	54861	Strand	-
Start	1	End	582
Name	OJ990325_04.0114.C47.o1.gs	Method	GENSCAN
Start	286	End	514
GI	none	Score	.42
Exons	286..514		

Seq. No.	26453	Seq. ID	OJ990325_04.0114.C50
Gene No.	54862	Strand	+
Start	1046	End	1759
Name	OJ990325_04.0114.C50.o1.gs	Method	GENSCAN
Start	1046	End	1759
GI	none	Score	.84
Exons	1046..1094, 1345..1482, 1533..1759		

Seq. No.	26453	Seq. ID	OJ990325_04.0114.C50
Gene No.	54862	Strand	+
Start	1046	End	1759
Name	OJ990325_04.0114.C50.o1.gp	Method	AAT/GAP
Start	1198	End	1721
GI	LIB3434-038-P1-K1-F1	Score	762

Exons	1198..1721		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	26453	Seq. ID	OJ990325_04.0114.C50
Gene No.	54863	Strand	-
Start	2109	End	2233
Name	OJ990325_04.0114.C50.o2.gs	Method	GENSCAN
Start	2109	End	2233
GI	none	Score	.95
Exons	2109..2233		
Seq. No.	26454	Seq. ID	OJ990325_04.0114.C51
Gene No.	54864	Strand	+
Start	282	End	425
Name	OJ990325_04.0114.C51.o1.gs	Method	GENSCAN
Start	282	End	425
GI	none	Score	.51
Exons	282..425		
Seq. No.	26455	Seq. ID	OJ990325_04.0114.C52
Gene No.	54865	Strand	+
Start	1	End	864
Name	OJ990325_04.0114.C52.o1.np	Method	AAT/NAP
Start	1	End	864
GI	6539553	Score	1130
Exons	1..864		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	26455	Seq. ID	OJ990325_04.0114.C52
Gene No.	54865	Strand	+
Start	1	End	864
Name	OJ990325_04.0114.C52.o1.ts	Method	TBLASTX:Soybean
Start	1	End	340
GI	none	Score	282
Exons	1..324, 2..340		
Seq. No.	26455	Seq. ID	OJ990325_04.0114.C52
Gene No.	54865	Strand	+
Start	1	End	864
Name	OJ990325_04.0114.C52.o1.gs	Method	GENSCAN
Start	92	End	415
GI	none	Score	.97
Exons	92..415		
Seq. No.	26455	Seq. ID	OJ990325_04.0114.C52
Gene No.	54865	Strand	+
Start	1	End	864
Name	OJ990325_04.0114.C52.o1.tm	Method	TBLASTX:Maize
Start	151	End	489
GI	none	Score	195
Exons	151..393, 164..391, 387..488, 388..489		
Seq. No.	26455	Seq. ID	OJ990325_04.0114.C52

Gene No.	54865	Strand	+
Start	1	End	864
Name	OJ990325_04.0114.C52.o1.tw	Method	TBLASTX:Wheat
Start	347	End	806
GI	none	Score	55
Exons	347..391, 352..393, 355..390, 387..416, 388..420, 434..775, 435..797, 436..804, 438..806		

Seq. No.	26455	Seq. ID	OJ990325_04.0114.C52
Gene No.	54865	Strand	+
Start	1	End	864
Name	OJ990325_04.0114.C52.o2.ts	Method	TBLASTX:Soybean
Start	387	End	693
GI	none	Score	75
Exons	387..455, 388..465, 484..693, 489..620		

Seq. No.	26456	Seq. ID	OJ990325_04.0114.C54
Gene No.	54866	Strand	-
Start	44	End	561
Name	OJ990325_04.0114.C54.o1.gs	Method	GENSCAN
Start	44	End	421
GI	none	Score	.85
Exons	44..276, 316..421		

Seq. No.	26456	Seq. ID	OJ990325_04.0114.C54
Gene No.	54866	Strand	-
Start	44	End	561
Name	OJ990325_04.0114.C54.o1.np	Method	AAT/NAP
Start	47	End	561
GI	5902445	Score	804
Exons	47..561		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	26456	Seq. ID	OJ990325_04.0114.C54
Gene No.	54866	Strand	-
Start	44	End	561
Name	OJ990325_04.0114.C54.o1.tw	Method	TBLASTX:Wheat
Start	74	End	520
GI	none	Score	95
Exons	74..187, 179..517, 381..509, 416..520		

Seq. No.	26456	Seq. ID	OJ990325_04.0114.C54
Gene No.	54866	Strand	-
Start	44	End	561
Name	OJ990325_04.0114.C54.o1.tm	Method	TBLASTX:Maize
Start	95	End	358
GI	none	Score	97
Exons	95..196, 96..197, 176..358, 177..302		

Seq. No.	26457	Seq. ID	OJ990325_04.0114.C55
Gene No.	54867	Strand	-
Start	1	End	1119
Name	OJ990325_04.0114.C55.o1.np	Method	AAT/NAP
Start	1	End	1064
GI	5902445	Score	1631
Exons	1..1064		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	26457	Seq. ID	OJ990325_04.0114.C55
Gene No.	54867	Strand	-
Start	1	End	1119
Name	OJ990325_04.0114.C55.o1.gs	Method	GENSCAN
Start	84	End	1064
GI	none	Score	1
Exons	84..1064		

Seq. No.	26457	Seq. ID	OJ990325_04.0114.C55
Gene No.	54867	Strand	-
Start	1	End	1119
Name	OJ990325_04.0114.C55.o1.ts	Method	TBLASTX:Soybean
Start	102	End	500
GI	none	Score	136
Exons	102..500, 103..450		

Seq. No.	26457	Seq. ID	OJ990325_04.0114.C55
Gene No.	54867	Strand	-
Start	1	End	1119
Name	OJ990325_04.0114.C55.o2.tw	Method	TBLASTX:Wheat
Start	124	End	548
GI	none	Score	265
Exons	124..504, 129..548		

Seq. No.	26457	Seq. ID	OJ990325_04.0114.C55
Gene No.	54867	Strand	-
Start	1	End	1119
Name	OJ990325_04.0114.C55.o2.tm	Method	TBLASTX:Maize
Start	222	End	605
GI	none	Score	141
Exons	222..605, 223..501		

Seq. No.	26457	Seq. ID	OJ990325_04.0114.C55
Gene No.	54867	Strand	-
Start	1	End	1119
Name	OJ990325_04.0114.C55.o3.tw	Method	TBLASTX:Wheat
Start	549	End	663
GI	none	Score	86
Exons	549..662, 549..662, 550..663		

Seq. No.	26457	Seq. ID	OJ990325_04.0114.C55
Gene No.	54867	Strand	-
Start	1	End	1119
Name	OJ990325_04.0114.C55.o1.tm	Method	TBLASTX:Maize
Start	633	End	989
GI	none	Score	187
Exons	633..989, 643..948		

Seq. No.	26457	Seq. ID	OJ990325_04.0114.C55
Gene No.	54867	Strand	-
Start	1	End	1119
Name	OJ990325_04.0114.C55.o1.tw	Method	TBLASTX:Wheat
Start	663	End	1119
GI	none	Score	270
Exons	663..1118, 664..1119		

Seq. No.	26457	Seq. ID	OJ990325_04.0114.C55
Gene No.	54867	Strand	-
Start	1	End	1119
Name	OJ990325_04.0114.C55.o2.ts	Method	TBLASTX:Soybean
Start	714	End	1079
GI	none	Score	138
Exons	714..848, 855..1079		

Seq. No.	26458	Seq. ID	OJ990325_04.0114.C56
Gene No.	54868	Strand	+
Start	1	End	568
Name	OJ990325_04.0114.C56.o1.np	Method	AAT/NAP
Start	1	End	568
GI	6598522	Score	282
Exons	1..46, 182..568		
GI Descrip.	(AC006194) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	26458	Seq. ID	OJ990325_04.0114.C56
Gene No.	54868	Strand	+
Start	1	End	568
Name	OJ990325_04.0114.C56.o1.tc	Method	TBLASTX:Cress
Start	154	End	537
GI	none	Score	61
Exons	154..231, 280..537, 387..536		

Seq. No.	26458	Seq. ID	OJ990325_04.0114.C56
Gene No.	54868	Strand	+
Start	1	End	568
Name	OJ990325_04.0114.C56.o1.tw	Method	TBLASTX:Wheat
Start	199	End	567
GI	none	Score	40
Exons	199..231, 259..567, 261..536		

Seq. No.	26459	Seq. ID	OJ990325_04.0114.C58
Gene No.	54869	Strand	+
Start	51	End	555
Name	OJ990325_04.0114.C58.o1.gs	Method	GENSCAN
Start	51	End	555
GI	none	Score	.87
Exons	51..127, 489..555		

Seq. No.	26460	Seq. ID	OJ990325_04.0114.C59
Gene No.	54870	Strand	+
Start	180	End	531
Name	OJ990325_04.0114.C59.o1.np	Method	AAT/NAP
Start	180	End	531
GI	4680179	Score	340
Exons	180..531		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26460	Seq. ID	OJ990325_04.0114.C59
Gene No.	54870	Strand	+
Start	180	End	531
Name	OJ990325_04.0114.C59.o1.tw	Method	TBLASTX:Wheat
Start	275	End	526
GI	none	Score	237

Exons 275..526, 295..330, 296..472, 436..480

Seq. No.	26460	Seq. ID	OJ990325_04.0114.C59
Gene No.	54870	Strand	+
Start	180	End	531
Name	OJ990325_04.0114.C59.o1.tm	Method	TBLASTX:Maize
Start	275	End	526
GI	none	Score	203
Exons	275..526		

Seq. No.	26461	Seq. ID	OJ990325_04.0114.C61
Gene No.	54871	Strand	-
Start	1	End	102
Name	OJ990325_04.0114.C61.o1.gp	Method	AAT/GAP
Start	1	End	102
GI	4107139	Score	188
Exons	1..102		
GI Descrip.	5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	26461	Seq. ID	OJ990325_04.0114.C61
Gene No.	54871	Strand	-
Start	1	End	102
Name	OJ990325_04.0114.C61.o1.np	Method	AAT/NAP
Start	1	End	102
GI	5257279	Score	155
Exons	1..102		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	26462	Seq. ID	OJ990325_04.0114.C62
Gene No.	54872	Strand	-
Start	1	End	556
Name	OJ990325_04.0114.C62.o1.np	Method	AAT/NAP
Start	1	End	556
GI	5257279	Score	474
Exons	1..556		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	26462	Seq. ID	OJ990325_04.0114.C62
Gene No.	54872	Strand	-
Start	1	End	556
Name	OJ990325_04.0114.C62.o1.tw	Method	TBLASTX:Wheat
Start	5	End	368
GI	none	Score	107
Exons	5..151, 176..367, 186..368, 267..368		

Seq. No.	26462	Seq. ID	OJ990325_04.0114.C62
Gene No.	54872	Strand	-
Start	1	End	556
Name	OJ990325_04.0114.C62.o1.gs	Method	GENSCAN
Start	41	End	427
GI	none	Score	.41
Exons	41..427		

Seq. No.	26463	Seq. ID	OJ990325_04.0114.C63

Gene No.	54873	Strand	-
Start	1	End	240
Name	OJ990325_04.0114.C63.o1.np	Method	AAT/NAP
Start	1	End	240
GI	6692119	Score	113
Exons	1..240		
GI Descrip.	(AC007764) F22C12.1 [Arabidopsis thaliana]		

Seq. No.	26464	Seq. ID	OJ990325_04.0114.C64
Gene No.	54874	Strand	-
Start	347	End	1055
Name	OJ990325_04.0114.C64.o1.gs	Method	GENSCAN
Start	347	End	1055
GI	none	Score	.4
Exons	347..1055		

Seq. No.	26465	Seq. ID	OJ990325_04.0114.C65
Gene No.	54875	Strand	-
Start	96	End	339
Name	OJ990325_04.0114.C65.o1.np	Method	AAT/NAP
Start	96	End	339
GI	5902447	Score	135
Exons	96..339		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	26465	Seq. ID	OJ990325_04.0114.C65
Gene No.	54875	Strand	-
Start	96	End	339
Name	OJ990325_04.0114.C65.o1.gs	Method	GENSCAN
Start	126	End	260
GI	none	Score	.62
Exons	126..260		

Seq. No.	26466	Seq. ID	OJ990325_04.0114.C66
Gene No.	54876	Strand	+
Start	1	End	332
Name	OJ990325_04.0114.C66.o1.np	Method	AAT/NAP
Start	1	End	332
GI	6691716	Score	410
Exons	1..332		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26466	Seq. ID	OJ990325_04.0114.C66
Gene No.	54877	Strand	-
Start	147	End	284
Name	OJ990325_04.0114.C66.o1.gs	Method	GENSCAN
Start	147	End	284
GI	none	Score	.71
Exons	147..284		

Seq. No.	26467	Seq. ID	OJ990325_04.0114.C68
Gene No.	54878	Strand	-
Start	63	End	719
Name	OJ990325_04.0114.C68.o1.gs	Method	GENSCAN
Start	63	End	514

GI	none	Score	.92
Exons	63..514		

Seq. No.	26467	Seq. ID	OJ990325_04.0114.C68
Gene No.	54878	Strand	-
Start	63	End	719
Name	OJ990325_04.0114.C68.o1.np	Method	AAT/NAP
Start	75	End	719
GI	6691716	Score	650
Exons	75..514, 589..719		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26468	Seq. ID	OJ990325_04.0114.C69
Gene No.	54879	Strand	-
Start	1	End	116
Name	OJ990325_04.0114.C69.o1.np	Method	AAT/NAP
Start	1	End	116
GI	5902447	Score	109
Exons	1..116		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	26468	Seq. ID	OJ990325_04.0114.C69
Gene No.	54880	Strand	-
Start	206	End	356
Name	OJ990325_04.0114.C69.o2.np	Method	AAT/NAP
Start	206	End	356
GI	5902448	Score	185
Exons	206..356		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	26468	Seq. ID	OJ990325_04.0114.C69
Gene No.	54880	Strand	-
Start	206	End	356
Name	OJ990325_04.0114.C69.o1.gs	Method	GENSCAN
Start	215	End	316
GI	none	Score	.87
Exons	215..316		

Seq. No.	26469	Seq. ID	OJ990325_04.0114.C70
Gene No.	54881	Strand	+
Start	680	End	1061
Name	OJ990325_04.0114.C70.o2.gp	Method	AAT/GAP
Start	680	End	1061
GI	uC-osflcyp033a04b1	Score	679
Exons	680..1061		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26469	Seq. ID	OJ990325_04.0114.C70
Gene No.	54882	Strand	-
Start	613	End	2189
Name	OJ990325_04.0114.C70.o1.np	Method	AAT/NAP
Start	613	End	2189
GI	4680186	Score	379
Exons	613..813, 1652..1707, 2162..2189		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	26470	Seq. ID	OJ990325_04.0114.C72
Gene No.	54883	Strand	+
Start	235	End	1145
Name	OJ990325_04.0114.C72.o1.gs	Method	GENSCAN
Start	235	End	1145
GI	none	Score	.78
Exons	235..337, 1017..1145		

Seq. No.	26470	Seq. ID	OJ990325_04.0114.C72
Gene No.	54884	Strand	-
Start	1	End	152
Name	OJ990325_04.0114.C72.o1.np	Method	AAT/NAP
Start	1	End	152
GI	5852181	Score	141
Exons	1..152		

GI Descrip. (AL117265) zhb0011.1 [Oryza sativa]

Seq. No.	26471	Seq. ID	OJ990325_04.0114.C73
Gene No.	54885	Strand	+
Start	350	End	1879
Name	OJ990325_04.0114.C73.o1.gs	Method	GENSCAN
Start	350	End	1879
GI	none	Score	.53
Exons	350..441, 1792..1879		

Seq. No.	26471	Seq. ID	OJ990325_04.0114.C73
Gene No.	54886	Strand	-
Start	368	End	643
Name	OJ990325_04.0114.C73.o1.gp	Method	AAT/GAP
Start	368	End	643
GI	61605_3.R1084	Score	359
Exons	368..643		

GI Descrip. '1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'

Seq. No.	26471	Seq. ID	OJ990325_04.0114.C73
Gene No.	54887	Strand	-
Start	1015	End	1850
Name	OJ990325_04.0114.C73.o1.np	Method	AAT/NAP
Start	1015	End	1850
GI	6063554	Score	168
Exons	1015..1189, 1823..1850		

GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	26471	Seq. ID	OJ990325_04.0114.C73
Gene No.	54887	Strand	-
Start	1015	End	1850
Name	OJ990325_04.0114.C73.o2.gp	Method	AAT/GAP
Start	1622	End	1850
GI	101153_1.R1084	Score	417
Exons	1622..1850		

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	26472	Seq. ID	OJ990325_04.0114.C74
Gene No.	54888	Strand	+
Start	319	End	374
Name	OJ990325_04.0114.C74.o1.gs	Method	GENSCAN
Start	319	End	374
GI	none	Score	.43
Exons	319..374		

Seq. No.	26473	Seq. ID	OJ990325_04.0114.C77
Gene No.	54889	Strand	+
Start	322	End	875
Name	OJ990325_04.0114.C77.o1.gs	Method	GENSCAN
Start	322	End	678
GI	none	Score	.48
Exons	322..678		

Seq. No.	26473	Seq. ID	OJ990325_04.0114.C77
Gene No.	54889	Strand	+
Start	322	End	875
Name	OJ990325_04.0114.C77.o1.tw	Method	TBLASTX:Wheat
Start	346	End	696
GI	none	Score	48
Exons	346..408, 454..696, 465..695		

Seq. No.	26473	Seq. ID	OJ990325_04.0114.C77
Gene No.	54889	Strand	+
Start	322	End	875
Name	OJ990325_04.0114.C77.o1.np	Method	AAT/NAP
Start	418	End	875
GI	6630696	Score	299
Exons	418..875		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	26473	Seq. ID	OJ990325_04.0114.C77
Gene No.	54889	Strand	+
Start	322	End	875
Name	OJ990325_04.0114.C77.o1.tm	Method	TBLASTX:Maize
Start	450	End	696
GI	none	Score	215
Exons	450..695, 451..696		

Seq. No.	26474	Seq. ID	OJ990325_04.0114.C78
Gene No.	54890	Strand	+
Start	1	End	281
Name	OJ990325_04.0114.C78.o1.np	Method	AAT/NAP
Start	1	End	281
GI	6539553	Score	429
Exons	1..281		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	26474	Seq. ID	OJ990325_04.0114.C78

Gene No.	54890	Strand	+
Start	1	End	281
Name	OJ990325_04.0114.C78.o1.tw	Method	TBLASTX:Wheat
Start	2	End	281
GI	none	Score	418
Exons	2..280, 3..281		

Seq. No.	26474	Seq. ID	OJ990325_04.0114.C78
Gene No.	54890	Strand	+
Start	1	End	281
Name	OJ990325_04.0114.C78.o1.tm	Method	TBLASTX:Maize
Start	6	End	242
GI	none	Score	169
Exons	6..161, 14..160, 171..242		

Seq. No.	26474	Seq. ID	OJ990325_04.0114.C78
Gene No.	54890	Strand	+
Start	1	End	281
Name	OJ990325_04.0114.C78.o1.ts	Method	TBLASTX:Soybean
Start	9	End	278
GI	none	Score	160
Exons	9..164, 11..160, 167..232, 174..278		

Seq. No.	26475	Seq. ID	OJ990325_04.0114.C81
Gene No.	54891	Strand	+
Start	1	End	631
Name	OJ990325_04.0114.C81.o1.np	Method	AAT/NAP
Start	1	End	631
GI	5042447	Score	172
Exons	1..631		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26475	Seq. ID	OJ990325_04.0114.C81
Gene No.	54891	Strand	+
Start	1	End	631
Name	OJ990325_04.0114.C81.o1.gs	Method	GENSCAN
Start	55	End	387
GI	none	Score	.41
Exons	55..387		

Seq. No.	26476	Seq. ID	OJ990325_04.0114.C83
Gene No.	54892	Strand	+
Start	157	End	899
Name	OJ990325_04.0114.C83.o1.gs	Method	GENSCAN
Start	157	End	899
GI	none	Score	.69
Exons	157..163, 864..899		

Seq. No.	26477	Seq. ID	OJ990325_04.0114.C84
Gene No.	54893	Strand	-
Start	236	End	273
Name	OJ990325_04.0114.C84.o1.gs	Method	GENSCAN
Start	236	End	273
GI	none	Score	.6
Exons	236..273		

Seq. No.	26478	Seq. ID	OJ990325_04.0114.C85

Gene No.	54894	Strand	+
Start	264	End	648
Name	OJ990325_04.0114.C85.o1.gp	Method	AAT/GAP
Start	264	End	648
GI	uC-osf1cyp033a04b1	Score	620
Exons	264..648		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26478	Seq. ID	OJ990325_04.0114.C85
Gene No.	54895	Strand	-
Start	168	End	2291
Name	OJ990325_04.0114.C85.o1.gs	Method	GENSCAN
Start	168	End	1804
GI	none	Score	.8
Exons	168..337, 1479..1804		

Seq. No.	26478	Seq. ID	OJ990325_04.0114.C85
Gene No.	54895	Strand	-
Start	168	End	2291
Name	OJ990325_04.0114.C85.o1.np	Method	AAT/NAP
Start	193	End	2146
GI	4680186	Score	216
Exons	193..415, 2101..2146		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26478	Seq. ID	OJ990325_04.0114.C85
Gene No.	54895	Strand	-
Start	168	End	2291
Name	OJ990325_04.0114.C85.o2.np	Method	AAT/NAP
Start	1470	End	2291
GI	5902448	Score	1305
Exons	1470..2291		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	26478	Seq. ID	OJ990325_04.0114.C85
Gene No.	54895	Strand	-
Start	168	End	2291
Name	OJ990325_04.0114.C85.o1.tw	Method	TBLASTX:Wheat
Start	1943	End	2233
GI	none	Score	209
Exons	1943..2233		

Seq. No.	26479	Seq. ID	OJ990325_04.0114.C86
Gene No.	54896	Strand	+
Start	254	End	1347
Name	OJ990325_04.0114.C86.o1.np	Method	AAT/NAP
Start	254	End	1347
GI	4680186	Score	237
Exons	254..305, 1143..1347		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26479	Seq. ID	OJ990325_04.0114.C86
Gene No.	54897	Strand	-
Start	892	End	1277
Name	OJ990325_04.0114.C86.o1.gp	Method	AAT/GAP
Start	892	End	1277

GI	uC-osflcyp033a04b1	Score	585
Exons	892..1277		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26480	Seq. ID	OJ990325_04.0114.C87
Gene No.	54898	Strand	+
Start	119	End	404
Name	OJ990325_04.0114.C87.o1.gs	Method	GENSCAN
Start	119	End	404
GI	none	Score	.45
Exons	119..404		

Seq. No.	26481	Seq. ID	OJ990325_04.0114.C89
Gene No.	54899	Strand	-
Start	1	End	596
Name	OJ990325_04.0114.C89.o1.np	Method	AAT/NAP
Start	1	End	541
GI	5902445	Score	823
Exons	1..541		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	26481	Seq. ID	OJ990325_04.0114.C89
Gene No.	54899	Strand	-
Start	1	End	596
Name	OJ990325_04.0114.C89.o1.tm	Method	TBLASTX:Maize
Start	110	End	401
GI	none	Score	179
Exons	110..400, 120..401		

Seq. No.	26481	Seq. ID	OJ990325_04.0114.C89
Gene No.	54899	Strand	-
Start	1	End	596
Name	OJ990325_04.0114.C89.o1.tw	Method	TBLASTX:Wheat
Start	140	End	596
GI	none	Score	154
Exons	140..595, 141..401, 164..478, 471..596		

Seq. No.	26481	Seq. ID	OJ990325_04.0114.C89
Gene No.	54899	Strand	-
Start	1	End	596
Name	OJ990325_04.0114.C89.o1.gs	Method	GENSCAN
Start	251	End	541
GI	none	Score	.71
Exons	251..541		

Seq. No.	26482	Seq. ID	OJ990325_04.0114.C90
Gene No.	54900	Strand	+
Start	105	End	617
Name	OJ990325_04.0114.C90.o1.gs	Method	GENSCAN
Start	105	End	617
GI	none	Score	.74
Exons	105..287, 452..617		

Seq. No.	26483	Seq. ID	OJ990325_04.0114.C91
Gene No.	54901	Strand	+
Start	330	End	454

Name	OJ990325_04.0114.C91.o1.gs	Method	GENSCAN
Start	330	End	454
GI	none	Score	.85
Exons	330..454		

Seq. No.	26484	Seq. ID	OJ990325_04.0114.C92
Gene No.	54902	Strand	+
Start	1	End	713
Name	OJ990325_04.0114.C92.o1.np	Method	AAT/NAP
Start	1	End	713
GI	6721516	Score	265
Exons	1..53, 276..523, 672..713		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	26484	Seq. ID	OJ990325_04.0114.C92
Gene No.	54902	Strand	+
Start	1	End	713
Name	OJ990325_04.0114.C92.o1.gs	Method	GENSCAN
Start	118	End	136
GI	none	Score	.64
Exons	118..136		

Seq. No.	26485	Seq. ID	OJ990325_04.0114.C94
Gene No.	54903	Strand	-
Start	454	End	1036
Name	OJ990325_04.0114.C94.o1.gs	Method	GENSCAN
Start	454	End	1036
GI	none	Score	.51
Exons	454..582, 691..1036		

Seq. No.	26486	Seq. ID	OJ990325_04.0114.C97
Gene No.	54904	Strand	+
Start	119	End	482
Name	OJ990325_04.0114.C97.o1.np	Method	AAT/NAP
Start	119	End	482
GI	4240195	Score	113
Exons	119..482		
GI Descrip.	(AB020660) KIAA0853 protein [Homo sapiens]		

Seq. No.	26486	Seq. ID	OJ990325_04.0114.C97
Gene No.	54904	Strand	+
Start	119	End	482
Name	OJ990325_04.0114.C97.o1.gs	Method	GENSCAN
Start	135	End	479
GI	none	Score	.98
Exons	135..479		

Seq. No.	26487	Seq. ID	OJ990325_04.0114.C99
Gene No.	54905	Strand	+
Start	224	End	683
Name	OJ990325_04.0114.C99.o1.gp	Method	AAT/GAP
Start	224	End	683
GI	none	Score	688
Exons	224..346, 433..683		

Seq. No.	26487	Seq. ID	OJ990325_04.0114.C99
Gene No.	54905	Strand	+

Start	224	End	683
Name	OJ990325_04.0114.C99.o1.tm	Method	TBLASTX:Maize
Start	232	End	533
GI	none	Score	164
Exons	232..303, 236..349, 248..355, 432..533	422..448, 430..528, 430..528,	

Seq. No.	26487	Seq. ID	OJ990325_04.0114.C99
Gene No.	54905	Strand	+
Start	224	End	683
Name	OJ990325_04.0114.C99.o1.gs	Method	GENSCAN
Start	238	End	341
GI	none	Score	.53
Exons	238..341		

Seq. No.	26488	Seq. ID	OJ990405_08.0103.C1
Gene No.	54906	Strand	-
Start	1118	End	1345
Name	OJ990405_08.0103.C1.o1.np	Method	AAT/NAP
Start	1118	End	1345
GI	5922636	Score	99
Exons	1118..1229, 1255..1345		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26489	Seq. ID	OJ990405_08.0103.C2
Gene No.	54907	Strand	+
Start	1	End	1176
Name	OJ990405_08.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	1176
GI	4680183	Score	190
Exons	1..118, 408..476, 1085..1176		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26489	Seq. ID	OJ990405_08.0103.C2
Gene No.	54908	Strand	-
Start	377	End	1054
Name	OJ990405_08.0103.C2.o1.gs	Method	GENSCAN
Start	377	End	1054
GI	none	Score	.4
Exons	377..479, 963..1054		

Seq. No.	26490	Seq. ID	OJ990405_08.0103.C3
Gene No.	54909	Strand	+
Start	1135	End	3537
Name	OJ990405_08.0103.C3.o1.gs	Method	GENSCAN
Start	1135	End	3420
GI	none	Score	.57
Exons	1135..1353, 1495..1708, 1993..3420		

Seq. No.	26490	Seq. ID	OJ990405_08.0103.C3
Gene No.	54909	Strand	+
Start	1135	End	3537
Name	OJ990405_08.0103.C3.o1.tw	Method	TBLASTX:Wheat

Start	1896	End	2283
GI	none	Score	354
Exons	1896..2282, 1907..2281, 2020..2283		

Seq. No.	26490	Seq. ID	OJ990405_08.0103.C3
Gene No.	54909	Strand	+
Start	1135	End	3537
Name	OJ990405_08.0103.C3.o1.np	Method	AAT/NAP
Start	1902	End	3537
GI	6539553	Score	2821
Exons	1902..3537		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	26490	Seq. ID	OJ990405_08.0103.C3
Gene No.	54909	Strand	+
Start	1135	End	3537
Name	OJ990405_08.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	2031	End	2344
GI	none	Score	363
Exons	2031..2342, 2039..2344		

Seq. No.	26490	Seq. ID	OJ990405_08.0103.C3
Gene No.	54909	Strand	+
Start	1135	End	3537
Name	OJ990405_08.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	2850	End	3165
GI	none	Score	396
Exons	2850..3164, 2870..3163, 2998..3165		

Seq. No.	26490	Seq. ID	OJ990405_08.0103.C3
Gene No.	54909	Strand	+
Start	1135	End	3537
Name	OJ990405_08.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	3192	End	3524
GI	none	Score	85
Exons	3192..3347, 3330..3524		

Seq. No.	26491	Seq. ID	OJ990405_08.0103.C4
Gene No.	54910	Strand	+
Start	1	End	1411
Name	OJ990405_08.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	1411
GI	6539553	Score	2204
Exons	1..1411		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	26491	Seq. ID	OJ990405_08.0103.C4
Gene No.	54910	Strand	+
Start	1	End	1411
Name	OJ990405_08.0103.C4.o2.tw	Method	TBLASTX:Wheat
Start	59	End	251

GI	none	Score	268
Exons	59..130, 60..251, 60..251		

Seq. No.	26491	Seq. ID	OJ990405_08.0103.C4
Gene No.	54910	Strand	+
Start	1	End	1411
Name	OJ990405_08.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	108	End	602
GI	none	Score	221
Exons	108..416, 224..382, 435..602		

Seq. No.	26491	Seq. ID	OJ990405_08.0103.C4
Gene No.	54910	Strand	+
Start	1	End	1411
Name	OJ990405_08.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	204	End	602
GI	none	Score	197
Exons	204..428, 212..382, 213..383, 429..602, 437..475		

Seq. No.	26491	Seq. ID	OJ990405_08.0103.C4
Gene No.	54910	Strand	+
Start	1	End	1411
Name	OJ990405_08.0103.C4.o2.tc	Method	TBLASTX:Cress
Start	237	End	626
GI	none	Score	112
Exons	237..419, 432..626		

Seq. No.	26491	Seq. ID	OJ990405_08.0103.C4
Gene No.	54910	Strand	+
Start	1	End	1411
Name	OJ990405_08.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	252	End	1007
GI	none	Score	635
Exons	252..716, 260..739, 760..990, 768..1007, 790..987, 818..1006		

Seq. No.	26491	Seq. ID	OJ990405_08.0103.C4
Gene No.	54910	Strand	+
Start	1	End	1411
Name	OJ990405_08.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	936	End	1239
GI	none	Score	155
Exons	936..1145, 965..1096, 1141..1239, 1145..1237		

Seq. No.	26491	Seq. ID	OJ990405_08.0103.C4
Gene No.	54910	Strand	+
Start	1	End	1411
Name	OJ990405_08.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	942	End	1348
GI	5509260	Score	161
Exons	942..1145, 1141..1245, 1145..1348		
GI Descrip.	-		

Seq. No.	26491	Seq. ID	OJ990405_08.0103.C4
Gene No.	54910	Strand	+
Start	1	End	1411
Name	OJ990405_08.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	1020	End	1279

GI	none	Score	163
Exons	1020..1145, 1022..1099, 1145..1279		

Seq. No.	26491	Seq. ID	OJ990405_08.0103.C4
Gene No.	54910	Strand	+
Start	1	End	1411
Name	OJ990405_08.0103.C4.o3.tw	Method	TBLASTX:Wheat
Start	1062	End	1345
GI	none	Score	80
Exons	1062..1145, 1145..1345		

Seq. No.	26492	Seq. ID	OJ990405_08.0103.C5
Gene No.	54911	Strand	+
Start	1	End	1723
Name	OJ990405_08.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	389
GI	6539553	Score	628
Exons	1..389		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	26492	Seq. ID	OJ990405_08.0103.C5
Gene No.	54911	Strand	+
Start	1	End	1723
Name	OJ990405_08.0103.C5.o1.gs	Method	GENSCAN
Start	51	End	1723
GI	none	Score	.71
Exons	51..388, 583..665, 1197..1343, 1536..1723		

Seq. No.	26492	Seq. ID	OJ990405_08.0103.C5
Gene No.	54912	Strand	-
Start	527	End	3192
Name	OJ990405_08.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	2	End	253
GI	none	Score	321
Exons	2..253, 3..215, 5..253		

Seq. No.	26492	Seq. ID	OJ990405_08.0103.C5
Gene No.	54912	Strand	-
Start	527	End	3192
Name	OJ990405_08.0103.C5.o2.np	Method	AAT/NAP
Start	527	End	3149
GI	3645898	Score	480
Exons	527..548, 2005..2111, 2139..3149		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	26492	Seq. ID	OJ990405_08.0103.C5
Gene No.	54912	Strand	-
Start	527	End	3192
Name	OJ990405_08.0103.C5.o2.gs	Method	GENSCAN
Start	2149	End	3192
GI	none	Score	1
Exons	2149..3192		

Seq. No.	26492	Seq. ID	OJ990405_08.0103.C5
Gene No.	54912	Strand	-
Start	527	End	3192
Name	OJ990405_08.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	2533	End	2934
GI	none	Score	64
Exons	2533..2934, 2632..2793		

Seq. No.	26492	Seq. ID	OJ990405_08.0103.C5
Gene No.	54912	Strand	-
Start	527	End	3192
Name	OJ990405_08.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	2692	End	3087
GI	none	Score	62
Exons	2692..3084, 2987..3085, 2992..3087		

Seq. No.	26493	Seq. ID	OJ990405_08.0103.C6
Gene No.	54913	Strand	-
Start	1287	End	3542
Name	OJ990405_08.0103.C6.o1.gs	Method	GENSCAN
Start	1287	End	3542
GI	none	Score	.58
Exons	1287..1315, 3341..3542		

Seq. No.	26494	Seq. ID	OJ990405_08.0103.C7
Gene No.	54914	Strand	+
Start	3539	End	7473
Name	OJ990405_08.0103.C7.o2.gs	Method	GENSCAN
Start	3539	End	7473
GI	none	Score	.75
Exons	3539..3550, 4091..4105, 4908..5217, 5296..5571, 7310..7473		

Seq. No.	26494	Seq. ID	OJ990405_08.0103.C7
Gene No.	54915	Strand	-
Start	331	End	2841
Name	OJ990405_08.0103.C7.o1.gs	Method	GENSCAN
Start	331	End	2841
GI	none	Score	.42
Exons	331..347, 2217..2382, 2689..2841		

Seq. No.	26494	Seq. ID	OJ990405_08.0103.C7
Gene No.	54916	Strand	-
Start	5597	End	5907
Name	OJ990405_08.0103.C7.o1.gp	Method	AAT/GAP
Start	5597	End	5907
GI	72524_1.R1084	Score	418
Exons	5597..5907		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	26494	Seq. ID	OJ990405_08.0103.C7
Gene No.	54917	Strand	-
Start	7459	End	14529
Name	OJ990405_08.0103.C7.o1.np	Method	AAT/NAP
Start	7459	End	12913
GI	5091513	Score	1914
Exons	7459..7678, 7833..7946, 8723..8798, 8858..8915, 8978..9907,		

	10740..11860, 12880..12913		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	26494	Seq. ID	OJ990405_08.0103.C7
Gene No.	54917	Strand	-
Start	7459	End	14529
Name	OJ990405_08.0103.C7.o3.gs	Method	GENSCAN
Start	8449	End	14529
GI	none	Score	.63
Exons	8449..9062, 9087..9555, 9734..9922, 10862..11038, 11170..11751, 13255..13813, 14444..14529		
Seq. No.	26495	Seq. ID	OJ990405_08.0103.C8
Gene No.	54918	Strand	+
Start	1	End	499
Name	OJ990405_08.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	499
GI	5852172	Score	60
Exons	1..182, 367..499		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		
Seq. No.	26495	Seq. ID	OJ990405_08.0103.C8
Gene No.	54919	Strand	-
Start	999	End	2772
Name	OJ990405_08.0103.C8.o1.gs	Method	GENSCAN
Start	999	End	2681
GI	none	Score	.69
Exons	999..1106, 1737..2582, 2584..2681		
Seq. No.	26495	Seq. ID	OJ990405_08.0103.C8
Gene No.	54919	Strand	-
Start	999	End	2772
Name	OJ990405_08.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	1554	End	1919
GI	none	Score	193
Exons	1554..1919		
Seq. No.	26495	Seq. ID	OJ990405_08.0103.C8
Gene No.	54919	Strand	-
Start	999	End	2772
Name	OJ990405_08.0103.C8.o1.tw	Method	TBLASTX:Wheat
Start	1821	End	2291
GI	none	Score	66
Exons	1821..1919, 1941..2288, 2068..2127, 2094..2291		
Seq. No.	26495	Seq. ID	OJ990405_08.0103.C8
Gene No.	54919	Strand	-
Start	999	End	2772
Name	OJ990405_08.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	2163	End	2772
GI	none	Score	150
Exons	2163..2288, 2280..2600, 2290..2601, 2602..2772, 2621..2719		
Seq. No.	26495	Seq. ID	OJ990405_08.0103.C8
Gene No.	54919	Strand	-
Start	999	End	2772
Name	OJ990405_08.0103.C8.o2.tw	Method	TBLASTX:Wheat

Start	2376	End	2772
GI	none	Score	69
Exons	2376..2423, 2445..2600, 2445..2600, 2599..2772, 2648..2719		

Seq. No.	26496	Seq. ID	OJ990405_08.0103.C9
Gene No.	54920	Strand	-
Start	45	End	408
Name	OJ990405_08.0103.C9.o1.gs	Method	GENSCAN
Start	45	End	408
GI	none	Score	.47
Exons	45..408		

Seq. No.	26497	Seq. ID	OJ990405_08.0103.C10
Gene No.	54921	Strand	+
Start	1	End	291
Name	OJ990405_08.0103.C10.o1.gp	Method	AAT/GAP
Start	1	End	291
GI	LIB3434-038-P1-K1-F1	Score	364
Exons	1..291		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	26497	Seq. ID	OJ990405_08.0103.C10
Gene No.	54922	Strand	+
Start	514	End	838
Name	OJ990405_08.0103.C10.o1.gs	Method	GENSCAN
Start	514	End	838
GI	none	Score	.59
Exons	514..540, 777..838		

Seq. No.	26498	Seq. ID	OJ990405_08.0103.C11
Gene No.	54923	Strand	+
Start	1241	End	2650
Name	OJ990405_08.0103.C11.o1.gs	Method	GENSCAN
Start	1241	End	2650
GI	none	Score	.57
Exons	1241..1294, 1641..1887, 2496..2650		

Seq. No.	26498	Seq. ID	OJ990405_08.0103.C11
Gene No.	54924	Strand	-
Start	1	End	2856
Name	OJ990405_08.0103.C11.o1.np	Method	AAT/NAP
Start	1	End	1067
GI	6815109	Score	119
Exons	1..216, 947..1067		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	26498	Seq. ID	OJ990405_08.0103.C11
Gene No.	54924	Strand	-
Start	1	End	2856
Name	OJ990405_08.0103.C11.o2.np	Method	AAT/NAP
Start	1	End	2856
GI	5042454	Score	237
Exons	1..24, 1679..2081, 2549..2605, 2813..2856		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12

Gene No.	54925	Strand	+
Start	8575	End	8834
Name	OJ990405_08.0103.C12.o1.gp	Method	AAT/GAP
Start	8575	End	8834
GI	61605_3.R1084	Score	435
Exons	8575..8834		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54926	Strand	+
Start	9931	End	10531
Name	OJ990405_08.0103.C12.o3.gs	Method	GENSCAN
Start	9931	End	10531
GI	none	Score	.54
Exons	9931..10063, 10125..10531		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54927	Strand	-
Start	1	End	6817
Name	OJ990405_08.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	2243
GI	6815109	Score	167
Exons	1..73, 1530..1787, 2143..2243		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54927	Strand	-
Start	1	End	6817
Name	OJ990405_08.0103.C12.o1.gs	Method	GENSCAN
Start	496	End	4815
GI	none	Score	.57
Exons	496..824, 1898..2032, 4347..4815		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54927	Strand	-
Start	1	End	6817
Name	OJ990405_08.0103.C12.o2.np	Method	AAT/NAP
Start	4136	End	6817
GI	5915822	Score	672
Exons	4136..4776, 6782..6817		
GI Descrip.	CYTOCHROME P450 79A1 (CYTOCHROME P450TYR) gi|2130096|pir||S68203 cytochrome P450tyr - sorghum gi|984543 (U32624) cytochrome P-450 [Sorghum bicolor]		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54928	Strand	-
Start	7016	End	7580
Name	OJ990405_08.0103.C12.o2.gs	Method	GENSCAN
Start	7016	End	7580
GI	none	Score	.66
Exons	7016..7225, 7458..7580		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54929	Strand	-
Start	8577	End	12001
Name	OJ990405_08.0103.C12.o1.tm	Method	TBLASTX:Maize

Start	4247	End	4779
GI	none	Score	138
Exons	4247..4318, 4330..4374, 4411..4779, 4412..4774		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54929	Strand	-
Start	8577	End	12001
Name	OJ990405_08.0103.C12.o1.ts	Method	TBLASTX:Soybean
Start	4354	End	4774
GI	none	Score	155
Exons	4354..4773, 4354..4773, 4700..4774		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54929	Strand	-
Start	8577	End	12001
Name	OJ990405_08.0103.C12.o1.tc	Method	TBLASTX:Cress
Start	4408	End	4779
GI	none	Score	204
Exons	4408..4779, 4412..4774		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54929	Strand	-
Start	8577	End	12001
Name	OJ990405_08.0103.C12.o1.tw	Method	TBLASTX:Wheat
Start	4480	End	4761
GI	none	Score	179
Exons	4480..4761		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54929	Strand	-
Start	8577	End	12001
Name	OJ990405_08.0103.C12.o2.gp	Method	AAT/GAP
Start	8577	End	9431
GI	4107138	Score	1247
Exons	8577..9431		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54929	Strand	-
Start	8577	End	12001
Name	OJ990405_08.0103.C12.o3.np	Method	AAT/NAP
Start	9212	End	12001
GI	6063554	Score	427
Exons	9212..9387, 10339..10578, 10696..10998, 11872..12001		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26499	Seq. ID	OJ990405_08.0103.C12
Gene No.	54929	Strand	-
Start	8577	End	12001
Name	OJ990405_08.0103.C12.o4.np	Method	AAT/NAP
Start	10731	End	12001
GI	6063554	Score	186
Exons	10731..10998, 11872..12001		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54930	Strand	-
Start	118	End	4937
Name	OJ990405_08.0103.C13.o1.gs	Method	GENSCAN
Start	118	End	4893
GI	none	Score	.47
Exons	118..176, 853..1203, 1247..1837, 2210..3022, 3229..4893		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54930	Strand	-
Start	118	End	4937
Name	OJ990405_08.0103.C13.o1.np	Method	AAT/NAP
Start	505	End	4937
GI	4680179	Score	5492
Exons	505..3855, 3883..4937		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54931	Strand	-
Start	5166	End	13611
Name	OJ990405_08.0103.C13.o2.np	Method	AAT/NAP
Start	5164	End	5960
GI	4512231	Score	1268
Exons	5164..5960		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54931	Strand	-
Start	5166	End	13611
Name	OJ990405_08.0103.C13.o2.gs	Method	GENSCAN
Start	5166	End	12752
GI	none	Score	.81
Exons	5166..5960, 8316..8443, 8449..8549, 8632..9037, 10689..11112, 11739..12752		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54931	Strand	-
Start	5166	End	13611
Name	OJ990405_08.0103.C13.o3.np	Method	AAT/NAP
Start	7847	End	9139
GI	5852178	Score	417
Exons	7847..7941, 8305..8420, 8452..8663, 9070..9139		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54931	Strand	-
Start	5166	End	13611
Name	OJ990405_08.0103.C13.o1.gp	Method	AAT/GAP
Start	10108	End	10568
GI	3761526	Score	837
Exons	10108..10568		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54931	Strand	-

Start	5166	End	13611
Name	OJ990405_08.0103.C13.o4.np	Method	AAT/NAP
Start	10480	End	13611
GI	5915822	Score	1426
Exons	10480..11112, 11739..12601, 12728..12801, 13513..13611		
GI Descrip.	CYTOCHROME P450 79A1 (CYTOCHROME P450TYR) gi|2130096|pir||S68203 cytochrome P450tyr - sorghum gi|984543 (U32624) cytochrome P-450 [Sorghum bicolor]		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54931	Strand	-
Start	5166	End	13611
Name	OJ990405_08.0103.C13.o5.np	Method	AAT/NAP
Start	11715	End	13611
GI	5915822	Score	709
Exons	11715..12601, 12728..12801, 13513..13611		
GI Descrip.	CYTOCHROME P450 79A1 (CYTOCHROME P450TYR) gi|2130096|pir||S68203 cytochrome P450tyr - sorghum gi|984543 (U32624) cytochrome P-450 [Sorghum bicolor]		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54931	Strand	-
Start	5166	End	13611
Name	OJ990405_08.0103.C13.o2.gp	Method	AAT/GAP
Start	11864	End	12694
GI	44962_1.R1084	Score	1600
Exons	11864..12694		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o8.tm	Method	TBLASTX:Maize
Start	495	End	741
GI	none	Score	48
Exons	495..527, 495..527, 529..741, 530..715		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o6.tw	Method	TBLASTX:Wheat
Start	550	End	883
GI	none	Score	167
Exons	550..882, 572..883		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	745	End	1301
GI	none	Score	97
Exons	745..1170, 746..943, 766..1008, 1010..1171, 1168..1200, 1175..1201, 1200..1301, 1205..1300		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-

Start	13555	End	13990
Name	OJ990405_08.0103.C13.o1.tw	Method	TBLASTX:Wheat
Start	883	End	1480
GI	none	Score	43
Exons	883..1200, 884..943, 1004..1201, 1077..1202, 1200..1424, 1205..1480		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o3.tm	Method	TBLASTX:Maize
Start	1349	End	1641
GI	none	Score	313
Exons	1349..1639, 1353..1640, 1354..1641		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o3.ts	Method	TBLASTX:Soybean
Start	1439	End	1699
GI	none	Score	182
Exons	1439..1699, 1440..1688		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o5.tc	Method	TBLASTX:Cress
Start	1463	End	1789
GI	none	Score	87
Exons	1463..1606, 1464..1604, 1607..1789		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o2.tw	Method	TBLASTX:Wheat
Start	1487	End	2026
GI	none	Score	298
Exons	1487..2026, 1491..1838		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o2.tm	Method	TBLASTX:Maize
Start	2054	End	2407
GI	none	Score	201
Exons	2054..2407, 2061..2402		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o3.tw	Method	TBLASTX:Wheat
Start	2054	End	2479
GI	none	Score	212
Exons	2054..2404, 2054..2479, 2061..2477		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-

Start	13555	End	13990
Name	OJ990405_08.0103.C13.o5.ts	Method	TBLASTX:Soybean
Start	2225	End	2473
GI	none	Score	207
Exons	2225..2473		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o5.tm	Method	TBLASTX:Maize
Start	2444	End	2938
GI	none	Score	96
Exons	2444..2746, 2574..2693, 2807..2938		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o5.tw	Method	TBLASTX:Wheat
Start	2480	End	2763
GI	none	Score	259
Exons	2480..2743, 2481..2744, 2689..2763		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o2.ts	Method	TBLASTX:Soybean
Start	2495	End	2890
GI	none	Score	170
Exons	2495..2746, 2505..2738, 2801..2854, 2811..2852, 2858..2890, 2859..2888		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o4.tw	Method	TBLASTX:Wheat
Start	2831	End	3313
GI	none	Score	111
Exons	2831..3043, 2874..3044, 2914..3045, 3003..3203, 3043..3312, 3044..3313		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o6.tm	Method	TBLASTX:Maize
Start	3043	End	3303
GI	none	Score	125
Exons	3043..3303, 3044..3253		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o8.tw	Method	TBLASTX:Wheat
Start	3445	End	3799
GI	none	Score	79
Exons	3445..3798, 3659..3799		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13

Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o7.tw	Method	TBLASTX:Wheat
Start	4132	End	4452
GI	none	Score	68
Exons	4132..4437, 4288..4452		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o7.tm	Method	TBLASTX:Maize
Start	4144	End	4449
GI	none	Score	84
Exons	4144..4437, 4273..4449, 4322..4438		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o9.tw	Method	TBLASTX:Wheat
Start	4459	End	4729
GI	none	Score	53
Exons	4459..4509, 4531..4704, 4531..4713, 4532..4729		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o10.tw	Method	TBLASTX:Wheat
Start	8948	End	11100
GI	none	Score	194
Exons	8948..9052, 10819..11100		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o4.tc	Method	TBLASTX:Cress
Start	10495	End	10735
GI	none	Score	106
Exons	10495..10734, 10565..10735		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o4.tm	Method	TBLASTX:Maize
Start	10591	End	13918
GI	none	Score	61
Exons	10591..10716, 10747..11112, 10751..10882, 13850..13918		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	10727	End	12165
GI	none	Score	98
Exons	10727..10885, 10729..11112, 10768..11112, 11039..11113, 11721..11822, 11863..11919, 11865..12164, 11942..11959, 11974..12165		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o1.tc	Method	TBLASTX:Cress
Start	10741	End	11115
GI	none	Score	138
Exons	10741..11091, 10750..11115, 11021..11101		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o3.tc	Method	TBLASTX:Cress
Start	11754	End	12170
GI	none	Score	66
Exons	11754..11843, 11755..11826, 11862..12059, 11866..11898, 12081..12170		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o2.tc	Method	TBLASTX:Cress
Start	12177	End	13903
GI	none	Score	80
Exons	12177..12575, 13787..13903		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o4.ts	Method	TBLASTX:Soybean
Start	12324	End	13915
GI	none	Score	87
Exons	12324..12575, 12367..12582, 13787..13915, 13824..13907		

Seq. No.	26500	Seq. ID	OJ990405_08.0103.C13
Gene No.	54932	Strand	-
Start	13555	End	13990
Name	OJ990405_08.0103.C13.o3.gs	Method	GENSCAN
Start	13555	End	13990
GI	none	Score	.9
Exons	13555..13735, 13785..13990		

Seq. No.	26501	Seq. ID	OJ990405_08.0103.C14
Gene No.	54933	Strand	+
Start	230	End	900
Name	OJ990405_08.0103.C14.o1.gs	Method	GENSCAN
Start	230	End	900
GI	none	Score	.52
Exons	230..461, 503..900		

Seq. No.	26501	Seq. ID	OJ990405_08.0103.C14
Gene No.	54934	Strand	-
Start	1959	End	5591
Name	OJ990405_08.0103.C14.o2.gs	Method	GENSCAN
Start	1959	End	4358
GI	none	Score	.67
Exons	1959..2086, 2420..2843, 3471..4358		

Seq. No.	26501	Seq. ID	OJ990405_08.0103.C14
Gene No.	54934	Strand	-
Start	1959	End	5591
Name	OJ990405_08.0103.C14.o1.np	Method	AAT/NAP
Start	2215	End	5591
GI	4544456	Score	970
Exons	2215..2843, 3471..4413, 5568..5591		
GI Descrip.	(AC006592) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	26501	Seq. ID	OJ990405_08.0103.C14
Gene No.	54934	Strand	-
Start	1959	End	5591
Name	OJ990405_08.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	2379	End	4292
GI	none	Score	67
Exons	2379..2471, 2463..2849, 2488..2679, 2752..2844, 4224..4292		

Seq. No.	26501	Seq. ID	OJ990405_08.0103.C14
Gene No.	54934	Strand	-
Start	1959	End	5591
Name	OJ990405_08.0103.C14.o1.ts	Method	TBLASTX:Soybean
Start	2458	End	3867
GI	none	Score	143
Exons	2458..2823, 2475..2843, 2478..2843, 3471..3554, 3597..3653, 3669..3866, 3676..3867		

Seq. No.	26501	Seq. ID	OJ990405_08.0103.C14
Gene No.	54934	Strand	-
Start	1959	End	5591
Name	OJ990405_08.0103.C14.o1.tc	Method	TBLASTX:Cress
Start	2472	End	2849
GI	none	Score	178
Exons	2472..2846, 2481..2849		

Seq. No.	26501	Seq. ID	OJ990405_08.0103.C14
Gene No.	54934	Strand	-
Start	1959	End	5591
Name	OJ990405_08.0103.C14.o3.tc	Method	TBLASTX:Cress
Start	3486	End	3872
GI	none	Score	59
Exons	3486..3575, 3490..3558, 3567..3632, 3583..3630, 3669..3761, 3676..3762, 3783..3872		

Seq. No.	26501	Seq. ID	OJ990405_08.0103.C14
Gene No.	54934	Strand	-
Start	1959	End	5591
Name	OJ990405_08.0103.C14.o2.tc	Method	TBLASTX:Cress
Start	3882	End	4277
GI	none	Score	168
Exons	3882..4001, 4017..4277		

Seq. No.	26501	Seq. ID	OJ990405_08.0103.C14
Gene No.	54934	Strand	-
Start	1959	End	5591
Name	OJ990405_08.0103.C14.o2.ts	Method	TBLASTX:Soybean
Start	4023	End	4340
GI	none	Score	247

Exons 4023..4340

Seq. No.	26502	Seq. ID	OJ990405_08.0103.C15
Gene No.	54935	Strand	+
Start	44	End	214
Name	OJ990405_08.0103.C15.o1.gs	Method	GENSCAN
Start	44	End	214
GI	none	Score	.61
Exons	44..214		

Seq. No.	26502	Seq. ID	OJ990405_08.0103.C15
Gene No.	54936	Strand	-
Start	1	End	222
Name	OJ990405_08.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	222
GI	5922636	Score	127
Exons	1..222		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54937	Strand	+
Start	718	End	3073
Name	OJ990405_08.0103.C16.o1.gs	Method	GENSCAN
Start	718	End	3073
GI	none	Score	.65
Exons	718..729, 2120..2183, 2637..2749, 2972..3073		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54938	Strand	+
Start	4606	End	14915
Name	OJ990405_08.0103.C16.o2.gs	Method	GENSCAN
Start	4606	End	14893
GI	none	Score	.89
Exons	4606..4827, 6634..6714, 9162..9284, 10588..10710, 10752..10907, 11549..14893		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54938	Strand	+
Start	4606	End	14915
Name	OJ990405_08.0103.C16.o1.np	Method	AAT/NAP
Start	10145	End	14915
GI	4680203	Score	1676
Exons	10145..10172, 11491..13282, 13439..13663, 13940..14915		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54939	Strand	+
Start	16911	End	20434
Name	OJ990405_08.0103.C16.o4.gs	Method	GENSCAN
Start	16911	End	20434
GI	none	Score	.59
Exons	16911..16945, 17017..19269, 19355..19606, 19887..19968, 20243..20434		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54940	Strand	+
Start	22896	End	24169
Name	OJ990405_08.0103.C16.o5.gs	Method	GENSCAN
Start	22896	End	24169
GI	none	Score	.65
Exons	22896..23661, 23859..24169		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54940	Strand	+
Start	22896	End	24169
Name	OJ990405_08.0103.C16.o3.np	Method	AAT/NAP
Start	23640	End	23753
GI	6324074	Score	80
Exons	23640..23753		
GI Descrip.	Contains seven cysteine rich zinc finger motifs of the 'CCHC retroviral-type'; Gis2p gi|1730843|sp|P53849|YNZ5_YEAST HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION gi|2131945|pir||S63228 hypothetical protein YNL255c - yeast (Saccharomyces cerevisiae) gi|1255963|emb|CAA65489| (X96722) ORF N0852 [Saccharomyces cerevisiae] gi|1302303|emb|CAA96162| (Z71		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o4.tm	Method	TBLASTX:Maize
Start	4968	End	21769
GI	none	Score	70
Exons	4968..5108, 4980..5135, 5002..5127, 5017..5094, 5021..5098, 5024..5134, 5164..5286, 5165..5278, 5165..5278, 5168..5281, 5171..5248, 5176..5289, 5278..5415, 5288..5413, 5297..5455, 5302..5454, 5303..5476, 5306..5446, 5308..5445, 5311..5463, 5386..5463, 5398..5490, 5398..5490, 5436..5465, 5453..5542, 5467..5544, 5482..5631, 5483..5632, 5487..5630, 5488..5634, 5493..5630, 5506..5625, 5518..5640, 5535..5657, 5535..5624, 5653..5709, 21501..21587, 21501..21596, 21631..21738, 21656..21769		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o2.tw	Method	TBLASTX:Wheat
Start	12044	End	12637
GI	none	Score	218
Exons	12044..12334, 12046..12336, 12392..12508, 12395..12493, 12512..12637, 12529..12636		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o1.ts	Method	TBLASTX:Soybean
Start	12062	End	12360
GI	none	Score	281
Exons	12062..12334, 12079..12222, 12265..12360		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16

Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o2.ts	Method	TBLASTX:Soybean
Start	12377	End	12652
GI	none	Score	221
Exons	12377..12652, 12412..12651		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o2.tc	Method	TBLASTX:Cress
Start	12401	End	12733
GI	none	Score	288
Exons	12401..12733, 12487..12537, 12571..12678		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o2.tm	Method	TBLASTX:Maize
Start	12539	End	13024
GI	none	Score	102
Exons	12539..12643, 12547..12642, 12646..12738, 12650..12739, 12807..12842, 12836..12883, 12884..12931, 12931..13020, 12935..13024		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o3.tw	Method	TBLASTX:Wheat
Start	12638	End	12973
GI	none	Score	57
Exons	12638..12679, 12683..12781, 12685..12774, 12827..12925, 12838..12909, 12935..12973		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	13529	End	13912
GI	none	Score	56
Exons	13529..13597, 13597..13911, 13598..13912		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o1.tw	Method	TBLASTX:Wheat
Start	13553	End	14686
GI	none	Score	555
Exons	13553..14269, 13606..14181, 14278..14460, 14288..14476, 14453..14554, 14464..14583, 14585..14686, 14587..14679		

Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o1.tc	Method	TBLASTX:Cress
Start	13844	End	14269
GI	none	Score	317

Exons	13844..14269, 13852..14181		
Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o3.tm	Method	TBLASTX:Maize
Start	14162	End	14452
GI	none	Score	146
Exons	14162..14332, 14210..14326, 14344..14451, 14345..14452		
Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o3.ts	Method	TBLASTX:Soybean
Start	14534	End	14746
GI	none	Score	187
Exons	14534..14746, 14534..14692		
Seq. No.	26503	Seq. ID	OJ990405_08.0103.C16
Gene No.	54941	Strand	-
Start	15466	End	21769
Name	OJ990405_08.0103.C16.o3.gs	Method	GENSCAN
Start	15466	End	15831
GI	none	Score	.83
Exons	15466..15831		
Seq. No.	26504	Seq. ID	OJ990405_08.0103.C17
Gene No.	54942	Strand	+
Start	293	End	859
Name	OJ990405_08.0103.C17.o1.gs	Method	GENSCAN
Start	293	End	859
GI	none	Score	.96
Exons	293..859		
Seq. No.	26505	Seq. ID	OJ990405_08.0103.C19
Gene No.	54943	Strand	+
Start	88	End	135
Name	OJ990405_08.0103.C19.o1.gs	Method	GENSCAN
Start	88	End	135
GI	none	Score	.46
Exons	88..135		
Seq. No.	26506	Seq. ID	OJ990405_08.0103.C20
Gene No.	54944	Strand	+
Start	1	End	1051
Name	OJ990405_08.0103.C20.o1.np	Method	AAT/NAP
Start	1	End	1051
GI	5915822	Score	474
Exons	1..85, 381..1051		
GI Descrip.	CYTOCHROME P450 79A1 (CYTOCHROME P450TYR) gi|2130096|pir||S68203 cytochrome P450tyr - sorghum gi|984543 (U32624) cytochrome P-450 [Sorghum bicolor]		
Seq. No.	26506	Seq. ID	OJ990405_08.0103.C20
Gene No.	54944	Strand	+
Start	1	End	1051
Name	OJ990405_08.0103.C20.o1.tc	Method	TBLASTX:Cress

Start	414	End	791
GI	none	Score	415
Exons	414..782, 417..791		

Seq. No.	26506	Seq. ID	OJ990405_08.0103.C20
Gene No.	54944	Strand	+
Start	1	End	1051
Name	OJ990405_08.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	414	End	883
GI	none	Score	290
Exons	414..800, 419..511, 584..775, 821..883		

Seq. No.	26506	Seq. ID	OJ990405_08.0103.C20
Gene No.	54944	Strand	+
Start	1	End	1051
Name	OJ990405_08.0103.C20.o1.gs	Method	GENSCAN
Start	420	End	890
GI	none	Score	.63
Exons	420..890		

Seq. No.	26506	Seq. ID	OJ990405_08.0103.C20
Gene No.	54944	Strand	+
Start	1	End	1051
Name	OJ990405_08.0103.C20.o1.ts	Method	TBLASTX:Soybean
Start	420	End	805
GI	none	Score	396
Exons	420..788, 420..785, 440..805		

Seq. No.	26507	Seq. ID	OJ990405_08.0103.C23
Gene No.	54945	Strand	-
Start	359	End	526
Name	OJ990405_08.0103.C23.o1.gs	Method	GENSCAN
Start	359	End	526
GI	none	Score	.45
Exons	359..526		

Seq. No.	26508	Seq. ID	OJ990405_08.0103.C24
Gene No.	54946	Strand	-
Start	544	End	645
Name	OJ990405_08.0103.C24.o1.gs	Method	GENSCAN
Start	544	End	645
GI	none	Score	.79
Exons	544..645		

Seq. No.	26509	Seq. ID	OJ990405_08.0103.C26
Gene No.	54947	Strand	-
Start	268	End	392
Name	OJ990405_08.0103.C26.o1.gs	Method	GENSCAN
Start	268	End	392
GI	none	Score	.73
Exons	268..392		

Seq. No.	26510	Seq. ID	OJ990405_08.0103.C27
Gene No.	54948	Strand	-
Start	331	End	504
Name	OJ990405_08.0103.C27.o1.gs	Method	GENSCAN
Start	331	End	504

GI	none	Score	.51
Exons	331..504		

Seq. No.	26511	Seq. ID	OJ990405_08.0103.C29
Gene No.	54949	Strand	+
Start	112	End	220
Name	OJ990405_08.0103.C29.o1.gs	Method	GENSCAN
Start	112	End	220
GI	none	Score	.56
Exons	112..220		

Seq. No.	26512	Seq. ID	OJ990405_08.0103.C32
Gene No.	54950	Strand	+
Start	1	End	684
Name	OJ990405_08.0103.C32.o1.np	Method	AAT/NAP
Start	1	End	684
GI	5091513	Score	837
Exons	1..684		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	26512	Seq. ID	OJ990405_08.0103.C32
Gene No.	54950	Strand	+
Start	1	End	684
Name	OJ990405_08.0103.C32.o1.gs	Method	GENSCAN
Start	196	End	649
GI	none	Score	.65
Exons	196..649		

Seq. No.	26513	Seq. ID	OJ990405_08.0103.C35
Gene No.	54951	Strand	-
Start	1	End	716
Name	OJ990405_08.0103.C35.o1.np	Method	AAT/NAP
Start	1	End	716
GI	6539553	Score	1157
Exons	1..716		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	26513	Seq. ID	OJ990405_08.0103.C35
Gene No.	54951	Strand	-
Start	1	End	716
Name	OJ990405_08.0103.C35.o1.gs	Method	GENSCAN
Start	83	End	638
GI	none	Score	.69
Exons	83..638		

Seq. No.	26513	Seq. ID	OJ990405_08.0103.C35
Gene No.	54951	Strand	-
Start	1	End	716
Name	OJ990405_08.0103.C35.o1.tm	Method	TBLASTX:Maize
Start	338	End	660
GI	none	Score	385
Exons	338..505, 339..653, 340..633, 340..660		

Seq. No.	26514	Seq. ID	OJ990405_08.0103.C36

Gene No.	54952	Strand	+
Start	1	End	593
Name	OJ990405_08.0103.C36.o1.np	Method	AAT/NAP
Start	1	End	593
GI	3192687	Score	850
Exons	1..593		
GI Descrip.	(AF064539) gp4 [Bacteriophage N15]		

Seq. No.	26514	Seq. ID	OJ990405_08.0103.C36
Gene No.	54952	Strand	+
Start	1	End	593
Name	OJ990405_08.0103.C36.o1.gs	Method	GENSCAN
Start	151	End	570
GI	none	Score	.41
Exons	151..289, 443..570		

Seq. No.	26515	Seq. ID	OJ990405_08.0103.C38
Gene No.	54953	Strand	+
Start	1	End	716
Name	OJ990405_08.0103.C38.o1.np	Method	AAT/NAP
Start	1	End	716
GI	5915822	Score	466
Exons	1..716		
GI Descrip.	CYTOCHROME P450 79A1 (CYTOCHROME P450TYR) gi|2130096|pir||S68203 cytochrome P450tyr - sorghum gi|984543 (U32624) cytochrome P-450 [Sorghum bicolor]		

Seq. No.	26515	Seq. ID	OJ990405_08.0103.C38
Gene No.	54953	Strand	+
Start	1	End	716
Name	OJ990405_08.0103.C38.o1.gp	Method	AAT/GAP
Start	75	End	716
GI	44962_1.R1084	Score	1245
Exons	75..716		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	26515	Seq. ID	OJ990405_08.0103.C38
Gene No.	54953	Strand	+
Start	1	End	716
Name	OJ990405_08.0103.C38.o1.gs	Method	GENSCAN
Start	107	End	625
GI	none	Score	.91
Exons	107..625		

Seq. No.	26515	Seq. ID	OJ990405_08.0103.C38
Gene No.	54953	Strand	+
Start	1	End	716
Name	OJ990405_08.0103.C38.o1.ts	Method	TBLASTX:Soybean
Start	187	End	445
GI	none	Score	222
Exons	187..402, 194..445		

Seq. No.	26515	Seq. ID	OJ990405_08.0103.C38
Gene No.	54953	Strand	+
Start	1	End	716
Name	OJ990405_08.0103.C38.o1.tc	Method	TBLASTX:Cress

Start	194	End	592
GI	none	Score	255
Exons	194..592		

Seq. No.	26516	Seq. ID	OJ990405_08.0103.C39
Gene No.	54954	Strand	+
Start	587	End	719
Name	OJ990405_08.0103.C39.o1.gs	Method	GENSCAN
Start	587	End	719
GI	none	Score	.9
Exons	587..719		

Seq. No.	26517	Seq. ID	OJ990405_08.0103.C42
Gene No.	54955	Strand	-
Start	113	End	637
Name	OJ990405_08.0103.C42.o1.gs	Method	GENSCAN
Start	113	End	637
GI	none	Score	.82
Exons	113..194, 474..637		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54956	Strand	-
Start	1	End	4046
Name	OJ990415_02.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	250
GI	6721517	Score	217
Exons	1..133, 187..250		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54956	Strand	-
Start	1	End	4046
Name	OJ990415_02.0103.C1.o2.np	Method	AAT/NAP
Start	1	End	4046
GI	4680203	Score	2454
Exons	1..113, 1333..1971, 2248..4046		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54956	Strand	-
Start	1	End	4046
Name	OJ990415_02.0103.C1.o2.gs	Method	GENSCAN
Start	2306	End	3809
GI	none	Score	.86
Exons	2306..2895, 3063..3096, 3235..3672, 3687..3809		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54957	Strand	-
Start	4627	End	7249
Name	OJ990415_02.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	1333	End	2367
GI	none	Score	62
Exons	1333..1398, 1337..1402, 1404..1469, 1415..1450, 1444..2361, 1460..2362, 1873..2367		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54957	Strand	-

Start	4627	End	7249
Name	OJ990415_02.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	1627	End	2074
GI	none	Score	91
Exons	1627..1776, 1627..2070, 1631..2074, 1637..2074		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54957	Strand	-
Start	4627	End	7249
Name	OJ990415_02.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	2005	End	2319
GI	none	Score	67
Exons	2005..2235, 2005..2319, 2033..2308		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54957	Strand	-
Start	4627	End	7249
Name	OJ990415_02.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	2549	End	2791
GI	none	Score	186
Exons	2549..2791		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54957	Strand	-
Start	4627	End	7249
Name	OJ990415_02.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	2621	End	3072
GI	none	Score	46
Exons	2621..2812, 2825..2944, 2825..2950, 2944..3066, 2950..3072		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54957	Strand	-
Start	4627	End	7249
Name	OJ990415_02.0103.C1.o2.tw	Method	TBLASTX:Wheat
Start	2660	End	3115
GI	none	Score	108
Exons	2660..2884, 2718..2861, 2864..2950, 2865..2951, 2965..3069, 2969..3070, 3067..3114, 3071..3115		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54957	Strand	-
Start	4627	End	7249
Name	OJ990415_02.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	3283	End	3573
GI	none	Score	81
Exons	3283..3363, 3340..3546, 3358..3573, 3359..3565		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54957	Strand	-
Start	4627	End	7249
Name	OJ990415_02.0103.C1.o3.tw	Method	TBLASTX:Wheat
Start	3353	End	3740
GI	none	Score	195
Exons	3353..3595, 3361..3606, 3362..3598, 3589..3696, 3603..3740		

Seq. No.	26518	Seq. ID	OJ990415_02.0103.C1
Gene No.	54957	Strand	-

Start	4627	End	7249
Name	OJ990415_02.0103.C1.o3.gs	Method	GENSCAN
Start	4627	End	7249
GI	none	Score	.46
Exons	4627..4655, 4847..4982, 5234..5330, 6929..6988, 7032..7249		

Seq. No.	26519	Seq. ID	OJ990415_02.0103.C2
Gene No.	54958	Strand	-
Start	1	End	2726
Name	OJ990415_02.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	2726
GI	4680179	Score	930
Exons	1..56, 1462..1617, 1645..2726		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26519	Seq. ID	OJ990415_02.0103.C2
Gene No.	54958	Strand	-
Start	1	End	2726
Name	OJ990415_02.0103.C2.o1.gs	Method	GENSCAN
Start	44	End	2666
GI	none	Score	.73
Exons	44..252, 1560..2125, 2560..2666		

Seq. No.	26519	Seq. ID	OJ990415_02.0103.C2
Gene No.	54958	Strand	-
Start	1	End	2726
Name	OJ990415_02.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	2139	End	2495
GI	none	Score	74
Exons	2139..2495, 2140..2280, 2395..2487		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54959	Strand	+
Start	3360	End	9640
Name	OJ990415_02.0103.C3.o2.gs	Method	GENSCAN
Start	3360	End	9640
GI	none	Score	.79
Exons	3360..3432, 3885..4004, 6930..6986, 7302..7542, 7575..7689, 8846..9640		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54960	Strand	+
Start	9887	End	14335
Name	OJ990415_02.0103.C3.o1.np	Method	AAT/NAP
Start	9887	End	14335
GI	4680179	Score	5461
Exons	9887..10918, 10946..14335		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54961	Strand	+
Start	15038	End	15825
Name	OJ990415_02.0103.C3.o2.np	Method	AAT/NAP
Start	14955	End	15825
GI	5852178	Score	349
Exons	14955..15258, 15290..15394, 15731..15825		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54961	Strand	+
Start	15038	End	15825
Name	OJ990415_02.0103.C3.o4.gs	Method	GENSCAN
Start	15038	End	15409
GI	none	Score	.69
Exons	15038..15258, 15325..15409		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54962	Strand	+
Start	19894	End	22827
Name	OJ990415_02.0103.C3.o3.np	Method	AAT/NAP
Start	19894	End	22827
GI	226691	Score	446
Exons	19894..19914, 22476..22827		
GI Descrip.	RNA polymerase beta'-2 [Oryza sativa]		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54962	Strand	+
Start	19894	End	22827
Name	OJ990415_02.0103.C3.o1.gp	Method	AAT/GAP
Start	21699	End	22195
GI	none	Score	928
Exons	21699..22195		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54963	Strand	+
Start	34783	End	37596
Name	OJ990415_02.0103.C3.o8.np	Method	AAT/NAP
Start	34783	End	37596
GI	6691716	Score	2125
Exons	34783..35667, 35865..36037, 36119..36438, 36609..36775, 36851..36962, 37113..37217, 37290..37596		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54963	Strand	+
Start	34783	End	37596
Name	OJ990415_02.0103.C3.o9.gs	Method	GENSCAN
Start	34783	End	37505
GI	none	Score	.46
Exons	34783..35667, 35793..36513, 36588..36775, 36851..37040, 37113..37217, 37290..37505		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54964	Strand	-
Start	17532	End	23609
Name	OJ990415_02.0103.C3.o4.np	Method	AAT/NAP
Start	17189	End	23609
GI	6714302	Score	88
Exons	17189..17210, 17960..18067, 22857..22929, 23405..23492, 23583..23609		
GI Descrip.	(AC013354) F15H18.8 [Arabidopsis thaliana]		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54964	Strand	-
Start	17532	End	23609
Name	OJ990415_02.0103.C3.o5.gs	Method	GENSCAN
Start	17532	End	18498
GI	none	Score	.47
Exons	17532..17654, 18165..18256, 18390..18498		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54964	Strand	-
Start	17532	End	23609
Name	OJ990415_02.0103.C3.o6.gs	Method	GENSCAN
Start	19276	End	20261
GI	none	Score	.75
Exons	19276..19355, 20159..20261		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54964	Strand	-
Start	17532	End	23609
Name	OJ990415_02.0103.C3.o2.gp	Method	AAT/GAP
Start	22501	End	23253
GI	LIB3432-013-P1-K1-E3	Score	816
Exons	22501..22581, 22861..23253		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54965	Strand	-
Start	23983	End	24635
Name	OJ990415_02.0103.C3.o5.np	Method	AAT/NAP
Start	23983	End	24334
GI	5823335	Score	349
Exons	23983..24105, 24199..24334		
GI Descrip.	(AF176001) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54965	Strand	-
Start	23983	End	24635
Name	OJ990415_02.0103.C3.o3.gp	Method	AAT/GAP
Start	24197	End	24635
GI	3761372	Score	759
Exons	24197..24635		
GI Descrip.	1945282/emb|Y11351|OSMYB1402 2.0e-15 O.sativa mRNA for myb factor, 1402 bp		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o9.tm	Method	TBLASTX:Maize
Start	3025	End	3336
GI	none	Score	76
Exons	3025..3234, 3085..3222, 3241..3336		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3

Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o8.tm	Method	TBLASTX:Maize
Start	3574	End	3957
GI	none	Score	61
Exons	3574..3690, 3575..3685, 3700..3759, 3701..3748, 3754..3957, 3755..3913		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o8.tw	Method	TBLASTX:Wheat
Start	3631	End	3925
GI	none	Score	163
Exons	3631..3915, 3632..3925		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o6.tm	Method	TBLASTX:Maize
Start	3958	End	4703
GI	none	Score	52
Exons	3958..4077, 4131..4703, 4275..4400, 4447..4530, 4461..4640		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o11.tm	Method	TBLASTX:Maize
Start	4707	End	5041
GI	none	Score	71
Exons	4707..4904, 4895..5041		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o12.tw	Method	TBLASTX:Wheat
Start	10091	End	10289
GI	none	Score	198
Exons	10091..10288, 10107..10289		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o10.tm	Method	TBLASTX:Maize
Start	10341	End	10679
GI	none	Score	225
Exons	10341..10679, 10422..10583, 10571..10642		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o7.tw	Method	TBLASTX:Wheat
Start	10341	End	10685
GI	none	Score	292
Exons	10341..10685		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3

Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o10.tw	Method	TBLASTX:Wheat
Start	11024	End	11377
GI	none	Score	260
Exons	11024..11377		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o4.tw	Method	TBLASTX:Wheat
Start	11497	End	11980
GI	none	Score	520
Exons	11497..11937, 11498..11980, 11609..11977		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o5.tm	Method	TBLASTX:Maize
Start	11567	End	12010
GI	none	Score	359
Exons	11567..12010		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	11921	End	12313
GI	none	Score	57
Exons	11921..11953, 11921..11953, 11957..12001, 11959..12000, 12065..12313, 12073..12210		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o5.tw	Method	TBLASTX:Wheat
Start	12029	End	12331
GI	none	Score	56
Exons	12029..12322, 12048..12122, 12067..12330, 12068..12331		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o7.tm	Method	TBLASTX:Maize
Start	12065	End	12399
GI	none	Score	306
Exons	12065..12397, 12118..12399		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o3.tw	Method	TBLASTX:Wheat
Start	12332	End	12757
GI	none	Score	580
Exons	12332..12757, 12334..12750, 12449..12757		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3

Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o4.ts	Method	TBLASTX:Soybean
Start	12338	End	12586
GI	none	Score	206
Exons	12338..12586, 12364..12468, 12523..12567		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	12404	End	12757
GI	none	Score	445
Exons	12404..12757, 12409..12705		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o2.tw	Method	TBLASTX:Wheat
Start	12785	End	13324
GI	none	Score	614
Exons	12785..13324, 12967..13320, 12992..13324		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o3.tc	Method	TBLASTX:Cress
Start	13022	End	13348
GI	none	Score	82
Exons	13022..13204, 13205..13348, 13207..13347		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o3.ts	Method	TBLASTX:Soybean
Start	13112	End	13372
GI	none	Score	295
Exons	13112..13372, 13123..13371		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o4.tm	Method	TBLASTX:Maize
Start	13170	End	13462
GI	none	Score	94
Exons	13170..13355, 13171..13458, 13172..13462		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	13331	End	13957
GI	none	Score	685
Exons	13331..13957, 13333..13365, 13390..13836, 13502..13915, 13897..13956		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3

Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	13510	End	14095
GI	none	Score	220
Exons	13510..13665, 13511..13672, 13669..13833, 13670..14095, 13790..14074, 13897..14094		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o6.tw	Method	TBLASTX:Wheat
Start	13958	End	14290
GI	none	Score	303
Exons	13958..14290, 13961..14074, 14053..14238		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o2.tc	Method	TBLASTX:Cress
Start	22518	End	22775
GI	none	Score	236
Exons	22518..22775, 22583..22765		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	23980	End	24341
GI	none	Score	140
Exons	23980..24114, 23982..24113, 24189..24311, 24202..24309, 24291..24341, 24308..24334		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	23980	End	24335
GI	none	Score	133
Exons	23980..24102, 23982..24113, 23989..24114, 24189..24302, 24202..24303, 24291..24335, 24308..24334		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o9.tw	Method	TBLASTX:Wheat
Start	23980	End	24335
GI	none	Score	104
Exons	23980..24117, 23982..24116, 23986..24129, 24189..24332, 24202..24294, 24291..24335		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	23980	End	24356
GI	none	Score	194

Exons	23980..24114, 23982..24113, 24189..24302, 24202..24303, 24225..24311, 24291..24356, 24305..24355		
Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o6.np	Method	AAT/NAP
Start	27724	End	29874
GI	6063554	Score	142
Exons	27724..27901, 29029..29295, 29835..29874		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o8.gs	Method	GENSCAN
Start	28414	End	32949
GI	none	Score	.42
Exons	28414..28530, 29026..29295, 29330..29641, 31685..31835, 31876..31973, 31979..32161, 32243..32372, 32846..32949		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o7.np	Method	AAT/NAP
Start	28436	End	29331
GI	5852178	Score	392
Exons	28436..28538, 28898..28994, 29026..29331		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o4.gp	Method	AAT/GAP
Start	30295	End	30370
GI	LIB3477-003-P1-K1-E9	Score	82
Exons	30295..30370		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54966	Strand	-
Start	27724	End	32949
Name	OJ990415_02.0103.C3.o5.gp	Method	AAT/GAP
Start	31630	End	32047
GI	568184	Score	640
Exons	31630..31807, 31880..32047		

Seq. No.	26520	Seq. ID	OJ990415_02.0103.C3
Gene No.	54967	Strand	
Start	34903	End	35193
Name	OJ990415_02.0103.C3.o11.tw	Method	TBLASTX:Wheat
Start	34903	End	35193
GI	none	Score	217

Exons	34903..35193		
Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o1.gs	Method	GENSCAN
Start	319	End	6429
GI	none	Score	.97
Exons	319..1731, 1768..3400, 3497..6429		
Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o5.tw	Method	TBLASTX:Wheat
Start	331	End	945
GI	none	Score	80
Exons	331..468, 454..612, 667..945, 683..784, 836..925		
Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o1.np	Method	AAT/NAP
Start	355	End	6429
GI	5922631	Score	6633
Exons	355..2882, 3489..4412, 4539..4690, 4733..5297, 5343..5552, 5802..6046, 6305..6429		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o4.tm	Method	TBLASTX:Maize
Start	370	End	603
GI	none	Score	100
Exons	370..471, 371..472, 451..603, 452..511		
Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o5.tm	Method	TBLASTX:Maize
Start	715	End	988
GI	none	Score	56
Exons	715..801, 811..894, 824..898, 881..988, 889..987		
Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o3.tw	Method	TBLASTX:Wheat
Start	1060	End	1447
GI	none	Score	158
Exons	1060..1446, 1136..1447		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	1090	End	1453
GI	none	Score	67
Exons	1090..1137, 1091..1138, 1124..1432, 1129..1452, 1142..1453		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o9.tw	Method	TBLASTX:Wheat
Start	1450	End	1749
GI	none	Score	125
Exons	1450..1581, 1615..1749		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o4.tw	Method	TBLASTX:Wheat
Start	1765	End	2187
GI	none	Score	263
Exons	1765..2187, 1775..2179		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	1808	End	2196
GI	none	Score	151
Exons	1808..2188, 1810..2052, 2092..2196		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o8.tw	Method	TBLASTX:Wheat
Start	2191	End	2473
GI	none	Score	65
Exons	2191..2472, 2203..2337, 2396..2473		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	2311	End	2755
GI	none	Score	90
Exons	2311..2337, 2335..2478, 2348..2479, 2500..2754, 2501..2755		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	2422	End	2823
GI	none	Score	47
Exons	2422..2823, 2456..2626, 2620..2790, 2648..2806		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o2.tw	Method	TBLASTX:Wheat
Start	2477	End	2901
GI	none	Score	296
Exons	2477..2857, 2482..2901		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	2986	End	3342
GI	none	Score	214
Exons	2986..3342, 2996..3301		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	3016	End	3472
GI	none	Score	267
Exons	3016..3471, 3017..3472		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o3.ts	Method	TBLASTX:Soybean
Start	3067	End	3432
GI	none	Score	134
Exons	3067..3201, 3208..3432		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o6.tw	Method	TBLASTX:Wheat
Start	3472	End	4149
GI	none	Score	150
Exons	3472..3588, 3692..3928, 3694..3924, 3973..4149		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o6.tm	Method	TBLASTX:Maize
Start	3694	End	3841
GI	none	Score	110
Exons	3694..3840, 3695..3841		

Seq. No.	26521	Seq. ID	OJ990415_02.0103.C4
Gene No.	54968	Strand	-
Start	319	End	6429
Name	OJ990415_02.0103.C4.o7.tw	Method	TBLASTX:Wheat
Start	4726	End	5128
GI	none	Score	117
Exons	4726..5127, 4859..5128		

Seq. No.	26522	Seq. ID	OJ990415_02.0103.C5

Gene No.	54969	Strand	+
Start	361	End	951
Name	OJ990415_02.0103.C5.o1.gs	Method	GENSCAN
Start	361	End	951
GI	none	Score	.5
Exons	361..472, 827..951		

Seq. No.	26522	Seq. ID	OJ990415_02.0103.C5
Gene No.	54970	Strand	+
Start	2610	End	7789
Name	OJ990415_02.0103.C5.o3.gs	Method	GENSCAN
Start	2610	End	7789
GI	none	Score	.75
Exons	2610..2688, 3707..4394, 4433..5310, 5481..6230, 6432..7789		

Seq. No.	26522	Seq. ID	OJ990415_02.0103.C5
Gene No.	54971	Strand	-
Start	2184	End	5142
Name	OJ990415_02.0103.C5.o1.np	Method	AAT/NAP
Start	2184	End	5142
GI	6742729	Score	1331
Exons	2184..3223, 5121..5142		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	26522	Seq. ID	OJ990415_02.0103.C5
Gene No.	54972	Strand	-
Start	8560	End	8712
Name	OJ990415_02.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	1700	End	3022
GI	none	Score	55
Exons	1700..1792, 1717..1791, 1781..1861, 1809..1862, 1866..1964, 1867..1983, 1868..1984, 1875..2015, 1886..2014, 1944..2057, 1994..2053, 2060..2107, 2061..2108, 2068..2124, 2099..3016, 2115..3017, 2292..3017, 2837..3022		

Seq. No.	26522	Seq. ID	OJ990415_02.0103.C5
Gene No.	54972	Strand	-
Start	8560	End	8712
Name	OJ990415_02.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	2282	End	2729
GI	none	Score	94
Exons	2282..2431, 2282..2725, 2286..2729, 2292..2729		

Seq. No.	26522	Seq. ID	OJ990415_02.0103.C5
Gene No.	54972	Strand	-
Start	8560	End	8712
Name	OJ990415_02.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	2660	End	2974
GI	none	Score	130
Exons	2660..2974, 2688..2963		

Seq. No.	26522	Seq. ID	OJ990415_02.0103.C5
Gene No.	54972	Strand	-
Start	8560	End	8712
Name	OJ990415_02.0103.C5.o4.gs	Method	GENSCAN
Start	8560	End	8712
GI	none	Score	.97

Exons	8560..8712		
Seq. No.	26523	Seq. ID	OJ990415_02.0103.C7
Gene No.	54973	Strand	-
Start	1	End	346
Name	OJ990415_02.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	346
GI	4512229	Score	510
Exons	1..346		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		
Seq. No.	26524	Seq. ID	OJ990415_02.0103.C9
Gene No.	54974	Strand	+
Start	766	End	819
Name	OJ990415_02.0103.C9.o1.gs	Method	GENSCAN
Start	766	End	819
GI	none	Score	.4
Exons	766..819		
Seq. No.	26525	Seq. ID	OJ990415_02.0103.C10
Gene No.	54975	Strand	-
Start	1421	End	3883
Name	OJ990415_02.0103.C10.o1.gs	Method	GENSCAN
Start	1421	End	3689
GI	none	Score	.85
Exons	1421..1577, 2185..2283, 2550..2657, 2743..2916, 3005..3288, 3363..3689		
Seq. No.	26525	Seq. ID	OJ990415_02.0103.C10
Gene No.	54975	Strand	-
Start	1421	End	3883
Name	OJ990415_02.0103.C10.o1.np	Method	AAT/NAP
Start	1510	End	3883
GI	226743	Score	185
Exons	1510..1623, 3693..3883		
GI Descrip.	sulfated surface glycoprotein SSG185 [Volvox carteri]		
Seq. No.	26525	Seq. ID	OJ990415_02.0103.C10
Gene No.	54975	Strand	-
Start	1421	End	3883
Name	OJ990415_02.0103.C10.o1.gp	Method	AAT/GAP
Start	1697	End	1802
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	1697..1802		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	26525	Seq. ID	OJ990415_02.0103.C10
Gene No.	54975	Strand	-
Start	1421	End	3883
Name	OJ990415_02.0103.C10.o1.tw	Method	TBLASTX:Wheat
Start	2585	End	3229
GI	none	Score	52
Exons	2585..2659, 2586..2663, 2733..2936, 2737..2880, 2868..2927, 3161..3229, 3163..3228		

Seq. No.	26526	Seq. ID	OJ990415_02.0103.C11
Gene No.	54976	Strand	+
Start	1060	End	1203
Name	OJ990415_02.0103.C11.o1.gs	Method	GENSCAN
Start	1060	End	1203
GI	none	Score	.87
Exons	1060..1203		

Seq. No.	26526	Seq. ID	OJ990415_02.0103.C11
Gene No.	54977	Strand	-
Start	574	End	1216
Name	OJ990415_02.0103.C11.o1.np	Method	AAT/NAP
Start	574	End	1216
GI	5295955	Score	277
Exons	574..1216		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54978	Strand	+
Start	1	End	12798
Name	OJ990415_02.0103.C12.o2.np	Method	AAT/NAP
Start	1	End	11245
GI	5295955	Score	243
Exons	1..37, 3235..3314, 3375..3574, 4905..4974, 5516..5630, 6202..6385, 11109..11245		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54978	Strand	+
Start	1	End	12798
Name	OJ990415_02.0103.C12.o3.np	Method	AAT/NAP
Start	7249	End	12798
GI	4680179	Score	1514
Exons	7249..7321, 10313..11305, 11333..12128, 12746..12798		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54978	Strand	+
Start	1	End	12798
Name	OJ990415_02.0103.C12.o4.np	Method	AAT/NAP
Start	7249	End	12258
GI	4680179	Score	1513
Exons	7249..7321, 10313..11305, 11333..12258		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54978	Strand	+
Start	1	End	12798
Name	OJ990415_02.0103.C12.o5.gs	Method	GENSCAN
Start	7843	End	12149
GI	none	Score	.78
Exons	7843..7914, 9257..9444, 9446..9611, 9638..9961, 10306..10497, 10700..11411, 11794..11972, 11991..12149		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12

Gene No.	54979	Strand	-
Start	1	End	2540
Name	OJ990415_02.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	2540
GI	4680204	Score	292
Exons	1..127, 2080..2540		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54979	Strand	-
Start	1	End	2540
Name	OJ990415_02.0103.C12.o1.gs	Method	GENSCAN
Start	25	End	187
GI	none	Score	.89
Exons	25..187		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54979	Strand	-
Start	1	End	2540
Name	OJ990415_02.0103.C12.o2.gs	Method	GENSCAN
Start	535	End	2463
GI	none	Score	.66
Exons	535..616, 1101..1219, 1626..1762, 2214..2463		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54980	Strand	-
Start	6612	End	6996
Name	OJ990415_02.0103.C12.o4.gs	Method	GENSCAN
Start	6612	End	6996
GI	none	Score	.92
Exons	6612..6936, 6941..6996		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54981	Strand	-
Start	7435	End	7964
Name	OJ990415_02.0103.C12.o2.tw	Method	TBLASTX:Wheat
Start	2200	End	2503
GI	none	Score	91
Exons	2200..2337, 2201..2281, 2335..2502, 2360..2503		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54981	Strand	-
Start	7435	End	7964
Name	OJ990415_02.0103.C12.o3.tw	Method	TBLASTX:Wheat
Start	4389	End	4677
GI	none	Score	51
Exons	4389..4481, 4390..4455, 4406..4477, 4470..4550, 4498..4551, 4555..4674, 4557..4673, 4564..4677, 4575..4676		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54981	Strand	-
Start	7435	End	7964
Name	OJ990415_02.0103.C12.o1.gp	Method	AAT/GAP
Start	7435	End	7964
GI	uC-osf1M202048c12b1	Score	828
Exons	7435..7964		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic		

DNA, chromosome 8, clone:P0026F07'

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54982	Strand	
Start	10712	End	11056
Name	OJ990415_02.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	10712	End	11011
GI	none	Score	226
Exons	10712..11011, 10738..10857, 10930..11010		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54982	Strand	
Start	10712	End	11056
Name	OJ990415_02.0103.C12.o1.tw	Method	TBLASTX:Wheat
Start	10712	End	11056
GI	none	Score	303
Exons	10712..11056, 10738..10857		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54983	Strand	
Start	11243	End	11617
Name	OJ990415_02.0103.C12.o5.tw	Method	TBLASTX:Wheat
Start	11243	End	11617
GI	none	Score	65
Exons	11243..11290, 11363..11617, 11410..11550		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54984	Strand	
Start	11639	End	11936
Name	OJ990415_02.0103.C12.o4.tw	Method	TBLASTX:Wheat
Start	11639	End	11936
GI	none	Score	113
Exons	11639..11701, 11640..11750, 11796..11936, 11807..11935		

Seq. No.	26527	Seq. ID	OJ990415_02.0103.C12
Gene No.	54985	Strand	
Start	11898	End	12083
Name	OJ990415_02.0103.C12.o2.tm	Method	TBLASTX:Maize
Start	11898	End	12083
GI	none	Score	189
Exons	11898..12083, 11999..12082		

Seq. No.	26528	Seq. ID	OJ990415_02.0103.C13
Gene No.	54986	Strand	-
Start	1	End	698
Name	OJ990415_02.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	698
GI	5852180	Score	105
Exons	1..222, 618..698		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	26528	Seq. ID	OJ990415_02.0103.C13
Gene No.	54986	Strand	-
Start	1	End	698
Name	OJ990415_02.0103.C13.o1.gs	Method	GENSCAN
Start	16	End	99
GI	none	Score	.49

Exons	16..99		
Seq. No.	26528	Seq. ID	OJ990415_02.0103.C13
Gene No.	54986	Strand	-
Start	1	End	698
Name	OJ990415_02.0103.C13.o2.gp	Method	AAT/GAP
Start	510	End	659
GI	uC-osf1M202048c12b1	Score	219
Exons	510..659		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	26529	Seq. ID	OJ990415_02.0103.C14
Gene No.	54987	Strand	-
Start	21	End	103
Name	OJ990415_02.0103.C14.o1.gs	Method	GENSCAN
Start	21	End	103
GI	none	Score	.85
Exons	21..103		
Seq. No.	26530	Seq. ID	OJ990415_02.0103.C15
Gene No.	54988	Strand	-
Start	1	End	810
Name	OJ990415_02.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	810
GI	6705984	Score	763
Exons	1..810		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	26530	Seq. ID	OJ990415_02.0103.C15
Gene No.	54988	Strand	-
Start	1	End	810
Name	OJ990415_02.0103.C15.o2.tm	Method	TBLASTX:Maize
Start	1	End	243
GI	none	Score	73
Exons	1..243, 13..195		
Seq. No.	26530	Seq. ID	OJ990415_02.0103.C15
Gene No.	54988	Strand	-
Start	1	End	810
Name	OJ990415_02.0103.C15.o2.tw	Method	TBLASTX:Wheat
Start	1	End	270
GI	none	Score	173
Exons	1..270		
Seq. No.	26530	Seq. ID	OJ990415_02.0103.C15
Gene No.	54988	Strand	-
Start	1	End	810
Name	OJ990415_02.0103.C15.o1.tw	Method	TBLASTX:Wheat
Start	568	End	776
GI	none	Score	141
Exons	568..774, 608..775, 620..775, 732..776		
Seq. No.	26530	Seq. ID	OJ990415_02.0103.C15
Gene No.	54988	Strand	-
Start	1	End	810
Name	OJ990415_02.0103.C15.o1.tm	Method	TBLASTX:Maize

Start	583	End	801
GI	none	Score	116
Exons	583..801, 595..798		

Seq. No.	26530	Seq. ID	OJ990415_02.0103.C15
Gene No.	54988	Strand	-
Start	1	End	810
Name	OJ990415_02.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	583	End	801
GI	none	Score	110
Exons	583..801, 595..798		

Seq. No.	26531	Seq. ID	OJ990415_02.0103.C16
Gene No.	54989	Strand	-
Start	1	End	579
Name	OJ990415_02.0103.C16.o1.np	Method	AAT/NAP
Start	1	End	429
GI	5902446	Score	674
Exons	1..429		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	26531	Seq. ID	OJ990415_02.0103.C16
Gene No.	54989	Strand	-
Start	1	End	579
Name	OJ990415_02.0103.C16.o1.gs	Method	GENSCAN
Start	9	End	579
GI	none	Score	.96
Exons	9..416, 489..579		

Seq. No.	26532	Seq. ID	OJ990415_02.0103.C18
Gene No.	54990	Strand	+
Start	1	End	566
Name	OJ990415_02.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	566
GI	5852178	Score	204
Exons	1..109, 471..566		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	26533	Seq. ID	OJ990415_02.0103.C21
Gene No.	54991	Strand	-
Start	1	End	648
Name	OJ990415_02.0103.C21.o1.gp	Method	AAT/GAP
Start	1	End	419
GI	LIB3432-013-P1-K1-E3	Score	668
Exons	1..419		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	26533	Seq. ID	OJ990415_02.0103.C21
Gene No.	54991	Strand	-
Start	1	End	648
Name	OJ990415_02.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	648
GI	6714302	Score	115

Exons	1..95, 571..648		
GI Descrip.	(AC013354) F15H18.8 [Arabidopsis thaliana]		
Seq. No.	26533	Seq. ID	OJ990415_02.0103.C21
Gene No.	54991	Strand	-
Start	1	End	648
Name	OJ990415_02.0103.C21.o1.gs	Method	GENSCAN
Start	27	End	646
GI	none	Score	.57
Exons	27..95, 585..646		
Seq. No.	26534	Seq. ID	OJ990415_02.0103.C22
Gene No.	54992	Strand	+
Start	1	End	727
Name	OJ990415_02.0103.C22.o1.np	Method	AAT/NAP
Start	1	End	727
GI	6714302	Score	48
Exons	1..48, 244..317, 708..727		
GI Descrip.	(AC013354) F15H18.8 [Arabidopsis thaliana]		
Seq. No.	26534	Seq. ID	OJ990415_02.0103.C22
Gene No.	54992	Strand	+
Start	1	End	727
Name	OJ990415_02.0103.C22.o1.gp	Method	AAT/GAP
Start	133	End	317
GI	7900_1.R1084	Score	113
Exons	133..153, 244..317		
GI Descrip.	'4757718/ref|NP_004292.1|pACTL6| 4.0e-24 actin-like 6 >gi_4001803 (AF041474) BAF53a [Homo sapiens] >gi_4218064_dbj_BAA74577_ (AB015907) actin-related protein [Homo sapiens]'		
Seq. No.	26534	Seq. ID	OJ990415_02.0103.C22
Gene No.	54992	Strand	+
Start	1	End	727
Name	OJ990415_02.0103.C22.o1.gs	Method	GENSCAN
Start	244	End	317
GI	none	Score	.72
Exons	244..317		
Seq. No.	26534	Seq. ID	OJ990415_02.0103.C22
Gene No.	54992	Strand	+
Start	1	End	727
Name	OJ990415_02.0103.C22.o2.gp	Method	AAT/GAP
Start	483	End	727
GI	LIB3432-013-P1-K1-E3	Score	413
Exons	483..727		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		
Seq. No.	26535	Seq. ID	OJ990415_02.0103.C23
Gene No.	54993	Strand	+
Start	1	End	322
Name	OJ990415_02.0103.C23.o1.np	Method	AAT/NAP

Start	1	End	322
GI	5852178	Score	114
Exons	1..24, 228..322		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	26535	Seq. ID	OJ990415_02.0103.C23
Gene No.	54994	Strand	+
Start	228	End	344
Name	OJ990415_02.0103.C23.o1.gs	Method	GENSCAN
Start	228	End	344
GI	none	Score	.69
Exons	228..344		

Seq. No.	26536	Seq. ID	OJ990415_02.0103.C25
Gene No.	54995	Strand	-
Start	201	End	317
Name	OJ990415_02.0103.C25.o1.gs	Method	GENSCAN
Start	201	End	317
GI	none	Score	.82
Exons	201..317		

Seq. No.	26536	Seq. ID	OJ990415_02.0103.C25
Gene No.	54996	Strand	-
Start	223	End	756
Name	OJ990415_02.0103.C25.o1.np	Method	AAT/NAP
Start	223	End	756
GI	5852178	Score	166
Exons	223..317, 654..756		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	26537	Seq. ID	OJ990415_02.0103.C26
Gene No.	54997	Strand	-
Start	134	End	478
Name	OJ990415_02.0103.C26.o1.gs	Method	GENSCAN
Start	134	End	478
GI	none	Score	.57
Exons	134..478		

Seq. No.	26538	Seq. ID	OJ990415_02.0103.C28
Gene No.	54998	Strand	+
Start	463	End	642
Name	OJ990415_02.0103.C28.o1.np	Method	AAT/NAP
Start	463	End	642
GI	4680204	Score	136
Exons	463..642		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o1.np	Method	AAT/NAP
Start	1	End	1575
GI	6705984	Score	2172
Exons	1..1575		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29

Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o2.tm	Method	TBLASTX:Maize
Start	85	End	356
GI	none	Score	182
Exons	85..354, 86..355, 138..356		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o2.tw	Method	TBLASTX:Wheat
Start	124	End	522
GI	none	Score	273
Exons	124..522, 134..520		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o1.gs	Method	GENSCAN
Start	201	End	1529
GI	none	Score	.55
Exons	201..372, 388..524, 645..815, 858..1529		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o4.tm	Method	TBLASTX:Maize
Start	361	End	660
GI	none	Score	62
Exons	361..660, 515..646		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o3.tw	Method	TBLASTX:Wheat
Start	553	End	912
GI	none	Score	264
Exons	553..912, 560..907, 562..912		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o2.ts	Method	TBLASTX:Soybean
Start	589	End	942
GI	none	Score	67
Exons	589..771, 784..858, 877..942		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o1.tm	Method	TBLASTX:Maize
Start	661	End	1006
GI	none	Score	331
Exons	661..1005, 662..1006		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-

Start	1	End	1575
Name	OJ990415_02.0103.C29.o1.tc	Method	TBLASTX:Cress
Start	724	End	1083
GI	none	Score	286
Exons	724..1083, 725..1051		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o1.tw	Method	TBLASTX:Wheat
Start	1039	End	1465
GI	none	Score	371
Exons	1039..1464, 1040..1465, 1379..1465		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o1.ts	Method	TBLASTX:Soybean
Start	1181	End	1453
GI	none	Score	58
Exons	1181..1270, 1186..1272, 1268..1453, 1276..1452		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o3.tm	Method	TBLASTX:Maize
Start	1225	End	1476
GI	none	Score	92
Exons	1225..1476, 1238..1468		

Seq. No.	26539	Seq. ID	OJ990415_02.0103.C29
Gene No.	54999	Strand	-
Start	1	End	1575
Name	OJ990415_02.0103.C29.o1.gp	Method	AAT/GAP
Start	1474	End	1575
GI	83529_1.R1084	Score	164
Exons	1474..1575		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-79 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	26540	Seq. ID	OJ990415_02.0103.C30
Gene No.	55000	Strand	-
Start	230	End	777
Name	OJ990415_02.0103.C30.o1.gs	Method	GENSCAN
Start	230	End	777
GI	none	Score	.6
Exons	230..346, 592..777		

Seq. No.	26541	Seq. ID	OJ990415_02.0103.C31
Gene No.	55001	Strand	+
Start	1098	End	2068
Name	OJ990415_02.0103.C31.o1.gs	Method	GENSCAN
Start	1098	End	2068
GI	none	Score	.89
Exons	1098..1230, 1313..1575, 1650..1764, 1905..2068		

Seq. No.	26541	Seq. ID	OJ990415_02.0103.C31

Gene No.	55002	Strand	-
Start	7565	End	7966
Name	OJ990415_02.0103.C31.o2.gs	Method	GENSCAN
Start	7565	End	7966
GI	none	Score	.69
Exons	7565..7966		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55003	Strand	+
Start	1	End	85
Name	OJ990415_02.0103.C32.o1.gp	Method	AAT/GAP
Start	1	End	85
GI	2315_3.R1084	Score	103
Exons	1..85		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 1.0e-46 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55004	Strand	+
Start	15045	End	15938
Name	OJ990415_02.0103.C32.o3.np	Method	AAT/NAP
Start	15045	End	15938
GI	5852178	Score	433
Exons	15045..15349, 15381..15481, 15843..15938		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55005	Strand	+
Start	18073	End	21921
Name	OJ990415_02.0103.C32.o4.np	Method	AAT/NAP
Start	17982	End	21921
GI	4680179	Score	3546
Exons	17982..20529, 21854..21921		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55005	Strand	+
Start	18073	End	21921
Name	OJ990415_02.0103.C32.o6.gs	Method	GENSCAN
Start	18073	End	20836
GI	none	Score	.92
Exons	18073..19753, 19822..20120, 20346..20511, 20520..20836		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55005	Strand	+
Start	18073	End	21921
Name	OJ990415_02.0103.C32.o7.np	Method	AAT/NAP
Start	18661	End	21921
GI	5257279	Score	1961
Exons	18661..19638, 19854..20016, 20131..20529, 21854..21921		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55005	Strand	+
Start	18073	End	21921
Name	OJ990415_02.0103.C32.o6.np	Method	AAT/NAP

Start	19132	End	21921
GI	4680179	Score	2022
Exons	19132..20529, 21854..21921		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55005	Strand	+
Start	18073	End	21921
Name	OJ990415_02.0103.C32.o5.np	Method	AAT/NAP
Start	19342	End	21921
GI	5852179	Score	87
Exons	19342..19369, 20541..20815, 21802..21921		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55006	Strand	-
Start	930	End	6210
Name	OJ990415_02.0103.C32.o1.np	Method	AAT/NAP
Start	700	End	6210
GI	6705984	Score	2483
Exons	700..782, 1919..2043, 3189..5951, 5981..6210		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55006	Strand	-
Start	930	End	6210
Name	OJ990415_02.0103.C32.o1.gs	Method	GENSCAN
Start	930	End	1974
GI	none	Score	.73
Exons	930..997, 1148..1303, 1602..1768, 1898..1974		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55006	Strand	-
Start	930	End	6210
Name	OJ990415_02.0103.C32.o2.gs	Method	GENSCAN
Start	3087	End	6111
GI	none	Score	.65
Exons	3087..3106, 3243..3550, 3813..3953, 4089..4559, 4904..5096, 5178..6111		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55007	Strand	-
Start	8716	End	9445
Name	OJ990415_02.0103.C32.o2.np	Method	AAT/NAP
Start	7041	End	9445
GI	6742729	Score	1147
Exons	7041..7116, 8423..9445		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55007	Strand	-
Start	8716	End	9445
Name	OJ990415_02.0103.C32.o3.gs	Method	GENSCAN
Start	8716	End	9429
GI	none	Score	.43
Exons	8716..9429		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55008	Strand	-
Start	15073	End	17586
Name	OJ990415_02.0103.C32.o5.gs	Method	GENSCAN
Start	15073	End	17586
GI	none	Score	.92
Exons	15073..15486, 16894..17084, 17463..17586		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o6.ts	Method	TBLASTX:Soybean
Start	3163	End	19389
GI	none	Score	68
Exons	3163..3303, 3178..3354, 3188..3325, 19141..19389		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o1.tm	Method	TBLASTX:Maize
Start	3193	End	19560
GI	none	Score	442
Exons	3193..3291, 19207..19560, 19212..19553		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o1.tw	Method	TBLASTX:Wheat
Start	3193	End	19560
GI	none	Score	64
Exons	3193..3357, 3212..3349, 19135..19560, 19137..19553, 19210..19560		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o4.tm	Method	TBLASTX:Maize
Start	3292	End	19200
GI	none	Score	102
Exons	3292..3630, 3293..3550, 18868..19200, 18921..19199		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o9.tw	Method	TBLASTX:Wheat
Start	3370	End	19134
GI	none	Score	62
Exons	3370..3597, 3548..3664, 18852..18926, 18870..19133, 18871..19134		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o1.ts	Method	TBLASTX:Soybean
Start	3388	End	19119
GI	none	Score	97
Exons	3388..3630, 3389..3550, 3548..3736, 3549..3728, 18724..18756, 18724..18783, 18760..18813, 18762..18800, 18868..19119, 18876..19109		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o3.tm	Method	TBLASTX:Maize
Start	3659	End	18813
GI	none	Score	141
Exons	3659..4126, 3690..3992, 3752..4078, 18367..18813		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o3.tw	Method	TBLASTX:Wheat
Start	3713	End	21862
GI	none	Score	162
Exons	3713..4153, 3717..4091, 18301..18783, 18405..18740, 21818..21862		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o5.ts	Method	TBLASTX:Soybean
Start	3845	End	18648
GI	none	Score	199
Exons	3845..4156, 18337..18648		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o5.tw	Method	TBLASTX:Wheat
Start	4451	End	4942
GI	none	Score	141
Exons	4451..4657, 4491..4658, 4513..4659, 4615..4659, 4661..4942, 4695..4922		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o6.tm	Method	TBLASTX:Maize
Start	4466	End	4702
GI	none	Score	121
Exons	4466..4702, 4478..4696		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o3.ts	Method	TBLASTX:Soybean
Start	4499	End	4849
GI	none	Score	99
Exons	4499..4630, 4500..4631, 4632..4826, 4634..4849		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o8.tw	Method	TBLASTX:Wheat
Start	5263	End	5850
GI	none	Score	209
Exons	5263..5313, 5359..5661, 5360..5842, 5683..5850		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o4.ts	Method	TBLASTX:Soybean
Start	5431	End	5820
GI	none	Score	107
Exons	5431..5649, 5644..5820		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o10.tm	Method	TBLASTX:Maize
Start	5683	End	5874
GI	none	Score	35
Exons	5683..5724, 5686..5874, 5687..5842, 5764..5850		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o8.tm	Method	TBLASTX:Maize
Start	7759	End	8280
GI	none	Score	53
Exons	7759..7851, 7786..7851, 7853..7957, 7876..8280, 7905..7958, 7954..8277		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o7.tw	Method	TBLASTX:Wheat
Start	8440	End	8773
GI	none	Score	291
Exons	8440..8772, 8445..8771, 8498..8773		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o9.tm	Method	TBLASTX:Maize
Start	8445	End	8729
GI	none	Score	116
Exons	8445..8729, 8446..8718		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o7.ts	Method	TBLASTX:Soybean
Start	8959	End	9201
GI	none	Score	83
Exons	8959..9201, 9017..9196		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o5.tm	Method	TBLASTX:Maize
Start	9031	End	9454
GI	none	Score	95
Exons	9031..9225, 9235..9426, 9236..9454		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o6.tw	Method	TBLASTX:Wheat
Start	9065	End	9433
GI	none	Score	151
Exons	9065..9271, 9070..9273, 9070..9294, 9272..9364, 9274..9372, 9275..9367, 9379..9432, 9380..9433		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o10.tw	Method	TBLASTX:Wheat
Start	17992	End	21814
GI	none	Score	121
Exons	17992..18204, 18057..18119, 18211..18297, 18219..18296, 21509..21721, 21574..21636, 21728..21814, 21736..21813		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o2.tw	Method	TBLASTX:Wheat
Start	19588	End	20126
GI	none	Score	135
Exons	19588..19758, 19754..20122, 19758..20126, 19764..20126		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o7.tm	Method	TBLASTX:Maize
Start	19755	End	20090
GI	none	Score	262
Exons	19755..20075, 19770..20090, 19886..20089		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o2.ts	Method	TBLASTX:Soybean
Start	19914	End	20174
GI	none	Score	292
Exons	19914..20174, 19925..20173		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o2.tm	Method	TBLASTX:Maize
Start	20091	End	20408
GI	none	Score	431
Exons	20091..20408, 20102..20404		

Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o4.tw	Method	TBLASTX:Wheat
Start	20132	End	20519
GI	none	Score	492

Exons	20132..20512, 20136..20519		
Seq. No.	26542	Seq. ID	OJ990415_02.0103.C32
Gene No.	55009	Strand	-
Start	21021	End	21862
Name	OJ990415_02.0103.C32.o7.gs	Method	GENSCAN
Start	21021	End	21850
GI	none	Score	.47
Exons	21021..21195, 21303..21332, 21783..21850		
Seq. No.	26543	Seq. ID	OJ990415_02.0103.C33
Gene No.	55010	Strand	-
Start	1034	End	1611
Name	OJ990415_02.0103.C33.o1.gp	Method	AAT/GAP
Start	745	End	1611
GI	none	Score	1063
Exons	745..1095, 1323..1611		
Seq. No.	26543	Seq. ID	OJ990415_02.0103.C33
Gene No.	55010	Strand	-
Start	1034	End	1611
Name	OJ990415_02.0103.C33.o1.tw	Method	TBLASTX:Wheat
Start	966	End	1586
GI	none	Score	116
Exons	966..1091, 966..1085, 970..1086, 1329..1385, 1337..1459, 1338..1526, 1339..1467, 1441..1542, 1446..1586, 1552..1578		
Seq. No.	26543	Seq. ID	OJ990415_02.0103.C33
Gene No.	55010	Strand	-
Start	1034	End	1611
Name	OJ990415_02.0103.C33.o1.gs	Method	GENSCAN
Start	1034	End	1505
GI	none	Score	.75
Exons	1034..1089, 1337..1505		
Seq. No.	26544	Seq. ID	OJ990415_02.0103.C34
Gene No.	55011	Strand	+
Start	1	End	174
Name	OJ990415_02.0103.C34.o1.np	Method	AAT/NAP
Start	1	End	174
GI	6705984	Score	267
Exons	1..174		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	26544	Seq. ID	OJ990415_02.0103.C34
Gene No.	55012	Strand	+
Start	107	End	2841
Name	OJ990415_02.0103.C34.o1.tm	Method	TBLASTX:Maize
Start	1	End	518
GI	none	Score	266
Exons	1..222, 3..149, 17..166, 226..306, 231..287, 331..384, 397..513, 456..518		
Seq. No.	26544	Seq. ID	OJ990415_02.0103.C34
Gene No.	55012	Strand	+
Start	107	End	2841
Name	OJ990415_02.0103.C34.o1.gs	Method	GENSCAN

Start	107	End	1998
GI	none	Score	.77
Exons	107..273, 1576..1998		

Seq. No.	26544	Seq. ID	OJ990415_02.0103.C34
Gene No.	55012	Strand	+
Start	107	End	2841
Name	OJ990415_02.0103.C34.o2.tm	Method	TBLASTX:Maize
Start	528	End	865
GI	none	Score	66
Exons	528..662, 532..666, 533..667, 663..767, 664..708, 705..791, 769..864, 770..865		

Seq. No.	26544	Seq. ID	OJ990415_02.0103.C34
Gene No.	55012	Strand	+
Start	107	End	2841
Name	OJ990415_02.0103.C34.o1.tw	Method	TBLASTX:Wheat
Start	1102	End	2037
GI	none	Score	149
Exons	1102..1275, 1103..1198, 1105..1215, 1277..1660, 1278..1652, 1279..1692, 1360..1659, 1667..1732, 1686..1727, 1687..1731, 1734..1796, 1738..1797, 1776..1916, 1777..1905, 1807..1923, 1845..1925, 1922..1990, 1929..1991, 1930..1986, 1975..2037		

Seq. No.	26544	Seq. ID	OJ990415_02.0103.C34
Gene No.	55012	Strand	+
Start	107	End	2841
Name	OJ990415_02.0103.C34.o1.tc	Method	TBLASTX:Cress
Start	1103	End	1509
GI	none	Score	149
Exons	1103..1198, 1105..1209, 1105..1275, 1278..1505, 1279..1509, 1360..1509		

Seq. No.	26544	Seq. ID	OJ990415_02.0103.C34
Gene No.	55012	Strand	+
Start	107	End	2841
Name	OJ990415_02.0103.C34.o2.np	Method	AAT/NAP
Start	1167	End	2841
GI	4680203	Score	748
Exons	1167..2024, 2807..2841		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55013	Strand	+
Start	313	End	11236
Name	OJ990415_02.0103.C35.o1.gs	Method	GENSCAN
Start	313	End	10851
GI	none	Score	.65
Exons	313..513, 526..593, 633..1122, 1321..2962, 3432..3539, 3801..3903, 4007..4124, 6432..7097, 7482..7685, 7891..8059, 8285..8602, 8789..9474, 9531..10216, 10259..10851		

Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55013	Strand	+
Start	313	End	11236
Name	OJ990415_02.0103.C35.o1.np	Method	AAT/NAP
Start	313	End	11236

GI	4680179	Score	4981
Exons	313..2951, 10028..11236		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55013	Strand	+
Start	313	End	11236
Name	OJ990415_02.0103.C35.o1.gp	Method	AAT/GAP
Start	4371	End	4440
GI	uC-osroM202024h08a1	Score	84
Exons	4371..4440		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o8.tw	Method	TBLASTX:Wheat
Start	571	End	7851
GI	none	Score	225
Exons	571..798, 601..789, 603..797, 7668..7703, 7690..7851, 7692..7850		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o6.tm	Method	TBLASTX:Maize
Start	826	End	8202
GI	none	Score	206
Exons	826..1122, 843..1013, 7903..8202, 7929..8033, 8021..8059, 8121..8201		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o6.tw	Method	TBLASTX:Wheat
Start	827	End	8247
GI	none	Score	70
Exons	827..1063, 828..1025, 829..1122, 1101..1169, 7902..8033, 7903..8247		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o7.tm	Method	TBLASTX:Maize
Start	1474	End	8868
GI	none	Score	203
Exons	1474..1749, 8548..8868		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o7.tw	Method	TBLASTX:Wheat
Start	1483	End	8949
GI	none	Score	259
Exons	1483..1830, 1666..1809, 8602..8949, 8781..8942		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35

Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o3.tw	Method	TBLASTX:Wheat
Start	2007	End	9507
GI	none	Score	525
Exons	2007..2450, 2011..2490, 9084..9506, 9088..9507		

Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o3.tm	Method	TBLASTX:Maize
Start	2076	End	9620
GI	none	Score	349
Exons	2076..2321, 2080..2514, 2152..2514, 9153..9500, 9157..9501, 9501..9599, 9522..9620		

Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o4.ts	Method	TBLASTX:Soybean
Start	2080	End	9438
GI	none	Score	182
Exons	2080..2364, 2163..2363, 9124..9438		

Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o1.ts	Method	TBLASTX:Soybean
Start	2434	End	9905
GI	none	Score	57
Exons	2434..2466, 2434..2466, 2466..2495, 2470..2514, 2473..2514, 2478..2669, 2565..2828, 2569..2829, 2569..2838, 9510..9542, 9510..9542, 9546..9599, 9546..9626, 9654..9905, 9665..9895		

Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o5.tw	Method	TBLASTX:Wheat
Start	2551	End	9887
GI	none	Score	312
Exons	2551..2811, 2562..2813, 2572..2811, 9645..9746, 9649..9861, 9657..9887, 9665..9877, 9792..9887		

Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o4.tm	Method	TBLASTX:Maize
Start	2569	End	9991
GI	none	Score	302
Exons	2569..2916, 2574..2834, 9651..9986, 9707..9991		

Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o2.tw	Method	TBLASTX:Wheat
Start	2814	End	10306
GI	none	Score	328

Exons	2814..3080, 2815..3072, 9890..10243, 9891..10304, 9930..10304, 10048..10305, 10127..10306		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o3.ts	Method	TBLASTX:Soybean
Start	2854	End	10175
GI	none	Score	152
Exons	2854..3072, 9927..10175		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o1.tm	Method	TBLASTX:Maize
Start	2917	End	10346
GI	none	Score	209
Exons	2917..3072, 2919..3080, 9993..10346, 9998..10243, 10029..10331, 10307..10339		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55014	Strand	-
Start	4576	End	10346
Name	OJ990415_02.0103.C35.o2.gp	Method	AAT/GAP
Start	4576	End	5097
GI	uC-osf1M202048c12b1	Score	836
Exons	4576..5097		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55015	Strand	
Start	10377	End	10955
Name	OJ990415_02.0103.C35.o1.tw	Method	TBLASTX:Wheat
Start	10377	End	10913
GI	none	Score	603
Exons	10377..10913, 10379..10912		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55015	Strand	
Start	10377	End	10955
Name	OJ990415_02.0103.C35.o5.tm	Method	TBLASTX:Maize
Start	10562	End	10877
GI	none	Score	266
Exons	10562..10876, 10563..10877		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55015	Strand	
Start	10377	End	10955
Name	OJ990415_02.0103.C35.o2.ts	Method	TBLASTX:Soybean
Start	10701	End	10955
GI	none	Score	290
Exons	10701..10955, 10703..10951		
Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55016	Strand	
Start	10878	End	11233

Name	OJ990415_02.0103.C35.o2.tm	Method	TBLASTX:Maize
Start	10878	End	11203
GI	none	Score	119
Exons	10878..10955, 10880..10954, 10890..10991, 10939..11199, 10958..11203, 10982..11197, 11022..11198		

Seq. No.	26545	Seq. ID	OJ990415_02.0103.C35
Gene No.	55016	Strand	
Start	10878	End	11233
Name	OJ990415_02.0103.C35.o4.tw	Method	TBLASTX:Wheat
Start	10920	End	11233
GI	none	Score	61
Exons	10920..10955, 10958..11233, 10984..11223, 10997..11230		

Seq. No.	26546	Seq. ID	OJ990415_02.0103.C37
Gene No.	55017	Strand	-
Start	1	End	291
Name	OJ990415_02.0103.C37.o1.gp	Method	AAT/GAP
Start	1	End	177
GI	568184	Score	301
Exons	1..177		

Seq. No.	26546	Seq. ID	OJ990415_02.0103.C37
Gene No.	55017	Strand	-
Start	1	End	291
Name	OJ990415_02.0103.C37.o1.gs	Method	GENSCAN
Start	46	End	291
GI	none	Score	.4
Exons	46..291		

Seq. No.	26547	Seq. ID	OJ990615_07.0103.C1
Gene No.	55018	Strand	+
Start	1	End	607
Name	OJ990615_07.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	607
GI	3377836	Score	105
Exons	1..33, 412..607		
GI Descrip.	(AF075598) contains similarity to reverse transcriptases [Arabidopsis thaliana]		

Seq. No.	26547	Seq. ID	OJ990615_07.0103.C1
Gene No.	55018	Strand	+
Start	1	End	607
Name	OJ990615_07.0103.C1.o1.gs	Method	GENSCAN
Start	106	End	591
GI	none	Score	.69
Exons	106..240, 313..591		

Seq. No.	26547	Seq. ID	OJ990615_07.0103.C1
Gene No.	55018	Strand	+
Start	1	End	607
Name	OJ990615_07.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	160	End	606
GI	none	Score	58
Exons	160..222, 349..606, 367..534		

Seq. No.	26548	Seq. ID	OJ990615_07.0103.C2

Gene No.	55019	Strand	+
Start	234	End	399
Name	OJ990615_07.0103.C2.o1.gs	Method	GENSCAN
Start	234	End	399
GI	none	Score	.58
Exons	234..399		

Seq. No.	26549	Seq. ID	OJ990615_07.0103.C3
Gene No.	55020	Strand	-
Start	1	End	543
Name	OJ990615_07.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	543
GI	4680179	Score	393
Exons	1..543		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26549	Seq. ID	OJ990615_07.0103.C3
Gene No.	55020	Strand	-
Start	1	End	543
Name	OJ990615_07.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	92	End	259
GI	none	Score	76
Exons	92..259, 93..242		

Seq. No.	26549	Seq. ID	OJ990615_07.0103.C3
Gene No.	55020	Strand	-
Start	1	End	543
Name	OJ990615_07.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	113	End	469
GI	none	Score	59
Exons	113..250, 120..179, 164..232, 251..469, 353..409		

Seq. No.	26550	Seq. ID	OJ990615_07.0103.C6
Gene No.	55021	Strand	-
Start	14	End	581
Name	OJ990615_07.0103.C6.o1.gs	Method	GENSCAN
Start	14	End	581
GI	none	Score	.98
Exons	14..88, 142..345, 491..581		

Seq. No.	26551	Seq. ID	OJ990615_07.0103.C7
Gene No.	55022	Strand	+
Start	79	End	558
Name	OJ990615_07.0103.C7.o1.gs	Method	GENSCAN
Start	79	End	558
GI	none	Score	.64
Exons	79..337, 437..558		

Seq. No.	26552	Seq. ID	OJ990615_07.0103.C9
Gene No.	55023	Strand	-
Start	1110	End	1203
Name	OJ990615_07.0103.C9.o1.np	Method	AAT/NAP
Start	1110	End	1203
GI	6630699	Score	70
Exons	1110..1203		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein		

[Oryza sativa]

Seq. No.	26553	Seq. ID	OJ990615_07.0103.C10
Gene No.	55024	Strand	-
Start	400	End	1393
Name	OJ990615_07.0103.C10.o1.gs	Method	GENSCAN
Start	400	End	1393
GI	none	Score	.71
Exons	400..446, 1279..1393		

Seq. No.	26554	Seq. ID	OJ990615_07.0103.C11
Gene No.	55025	Strand	-
Start	172	End	1076
Name	OJ990615_07.0103.C11.o1.gs	Method	GENSCAN
Start	172	End	1076
GI	none	Score	.49
Exons	172..250, 765..873, 1017..1076		

Seq. No.	26555	Seq. ID	OJ990615_07.0103.C12
Gene No.	55026	Strand	+
Start	117	End	2163
Name	OJ990615_07.0103.C12.o1.gs	Method	GENSCAN
Start	117	End	2131
GI	none	Score	.7
Exons	117..206, 836..909, 1761..2005, 2076..2131		

Seq. No.	26555	Seq. ID	OJ990615_07.0103.C12
Gene No.	55026	Strand	+
Start	117	End	2163
Name	OJ990615_07.0103.C12.o1.np	Method	AAT/NAP
Start	119	End	2163
GI	3237273	Score	337
Exons	119..206, 1761..2005, 2141..2163		
GI Descrip.	(U59489) sucrose-phosphate synthase [Musa acuminata]		

Seq. No.	26555	Seq. ID	OJ990615_07.0103.C12
Gene No.	55026	Strand	+
Start	117	End	2163
Name	OJ990615_07.0103.C12.o1.ts	Method	TBLASTX:Soybean
Start	1758	End	2003
GI	none	Score	145
Exons	1758..1922, 1908..2003		

Seq. No.	26556	Seq. ID	OJ990615_07.0103.C15
Gene No.	55027	Strand	+
Start	180	End	296
Name	OJ990615_07.0103.C15.o1.gs	Method	GENSCAN
Start	180	End	296
GI	none	Score	.41
Exons	180..296		

Seq. No.	26557	Seq. ID	OJ990615_07.0103.C16
Gene No.	55028	Strand	-
Start	582	End	616
Name	OJ990615_07.0103.C16.o1.gs	Method	GENSCAN
Start	582	End	616
GI	none	Score	.85

Exons	582..616		
Seq. No.	26558	Seq. ID	OJ990615_07.0103.C17
Gene No.	55029	Strand	+
Start	1	End	754
Name	OJ990615_07.0103.C17.o1.np	Method	AAT/NAP
Start	1	End	754
GI	5902445	Score	641
Exons	1..754		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	26558	Seq. ID	OJ990615_07.0103.C17
Gene No.	55029	Strand	+
Start	1	End	754
Name	OJ990615_07.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	135	End	494
GI	none	Score	289
Exons	135..494, 308..490		
Seq. No.	26558	Seq. ID	OJ990615_07.0103.C17
Gene No.	55029	Strand	+
Start	1	End	754
Name	OJ990615_07.0103.C17.o1.tw	Method	TBLASTX:Wheat
Start	204	End	627
GI	none	Score	349
Exons	204..515, 302..517, 494..625, 511..627		
Seq. No.	26558	Seq. ID	OJ990615_07.0103.C17
Gene No.	55029	Strand	+
Start	1	End	754
Name	OJ990615_07.0103.C17.o1.ts	Method	TBLASTX:Soybean
Start	258	End	682
GI	none	Score	187
Exons	258..512, 302..442, 512..682		
Seq. No.	26558	Seq. ID	OJ990615_07.0103.C17
Gene No.	55029	Strand	+
Start	1	End	754
Name	OJ990615_07.0103.C17.o1.gs	Method	GENSCAN
Start	290	End	490
GI	none	Score	.51
Exons	290..490		
Seq. No.	26559	Seq. ID	OJ990615_07.0103.C18
Gene No.	55030	Strand	+
Start	696	End	970
Name	OJ990615_07.0103.C18.o1.gp	Method	AAT/GAP
Start	696	End	970
GI	61605_1.R1084	Score	481
Exons	696..970		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	26559	Seq. ID	OJ990615_07.0103.C18
Gene No.	55031	Strand	-
Start	535	End	1130
Name	OJ990615_07.0103.C18.o2.gp	Method	AAT/GAP

Start	535	End	1130
GI	4107138	Score	800
Exons	535..1130		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	26560	Seq. ID	OJ990615_07.0103.C19
Gene No.	55032	Strand	+
Start	699	End	1444
Name	OJ990615_07.0103.C19.o1.np	Method	AAT/NAP
Start	699	End	1444
GI	5852179	Score	342
Exons	699..932, 1007..1248, 1292..1444		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	26560	Seq. ID	OJ990615_07.0103.C19
Gene No.	55033	Strand	-
Start	764	End	1161
Name	OJ990615_07.0103.C19.o1.gs	Method	GENSCAN
Start	764	End	1161
GI	none	Score	.93
Exons	764..904, 958..1161		

Seq. No.	26561	Seq. ID	OJ990615_07.0103.C20
Gene No.	55034	Strand	+
Start	900	End	1283
Name	OJ990615_07.0103.C20.o1.gp	Method	AAT/GAP
Start	900	End	1283
GI	uC-osflcyp162a07a1	Score	471
Exons	900..1060, 1160..1283		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	26561	Seq. ID	OJ990615_07.0103.C20
Gene No.	55035	Strand	-
Start	348	End	1283
Name	OJ990615_07.0103.C20.o1.np	Method	AAT/NAP
Start	321	End	1283
GI	4680179	Score	635
Exons	321..1283		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26561	Seq. ID	OJ990615_07.0103.C20
Gene No.	55035	Strand	-
Start	348	End	1283
Name	OJ990615_07.0103.C20.o1.gs	Method	GENSCAN
Start	348	End	1130
GI	none	Score	.93
Exons	348..1130		

Seq. No.	26561	Seq. ID	OJ990615_07.0103.C20
Gene No.	55035	Strand	-
Start	348	End	1283
Name	OJ990615_07.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	792	End	1079
GI	none	Score	42
Exons	792..854, 819..1079, 895..1056		

Seq. No.	26561	Seq. ID	OJ990615_07.0103.C20
Gene No.	55035	Strand	-
Start	348	End	1283
Name	OJ990615_07.0103.C20.o1.tw	Method	TBLASTX:Wheat
Start	963	End	1266
GI	none	Score	75
Exons	963..1265, 964..1104, 1141..1266		

Seq. No.	26562	Seq. ID	OJ990615_07.0103.C21
Gene No.	55036	Strand	+
Start	1	End	590
Name	OJ990615_07.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	590
GI	5042447	Score	144
Exons	1..45, 428..590		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26563	Seq. ID	OJ990615_07.0103.C22
Gene No.	55037	Strand	+
Start	1	End	1102
Name	OJ990615_07.0103.C22.o1.np	Method	AAT/NAP
Start	1	End	1102
GI	4680186	Score	387
Exons	1..64, 902..1102		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26563	Seq. ID	OJ990615_07.0103.C22
Gene No.	55038	Strand	-
Start	654	End	1035
Name	OJ990615_07.0103.C22.o1.gp	Method	AAT/GAP
Start	654	End	1035
GI	uC-osflcyp033a04b1	Score	663
Exons	654..1035		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26563	Seq. ID	OJ990615_07.0103.C22
Gene No.	55039	Strand	-
Start	1462	End	2039
Name	OJ990615_07.0103.C22.o2.gs	Method	GENSCAN
Start	1462	End	2039
GI	none	Score	.45
Exons	1462..1636, 1912..2039		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55040	Strand	+
Start	421	End	621
Name	OJ990615_07.0103.C23.o1.np	Method	AAT/NAP
Start	421	End	621
GI	4680186	Score	334
Exons	421..621		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55041	Strand	-
Start	173	End	5565

Name	OJ990615_07.0103.C23.o1.gp	Method	AAT/GAP
Start	173	End	554
GI	uC-osflcyp033a04b1	Score	667
Exons	173..554		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55041	Strand	-
Start	173	End	5565
Name	OJ990615_07.0103.C23.o2.np	Method	AAT/NAP
Start	349	End	5565
GI	4680179	Score	4960
Exons	349..458, 1162..4452, 4486..5565		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55041	Strand	-
Start	173	End	5565
Name	OJ990615_07.0103.C23.o2.gs	Method	GENSCAN
Start	3802	End	5562
GI	none	Score	.86
Exons	3802..5562		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o8.tw	Method	TBLASTX:Wheat
Start	1212	End	1425
GI	none	Score	122
Exons	1212..1424, 1222..1425		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o1.tm	Method	TBLASTX:Maize
Start	1272	End	1871
GI	none	Score	127
Exons	1272..1712, 1287..1550, 1288..1710, 1710..1871, 1716..1868		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o1.tw	Method	TBLASTX:Wheat
Start	1425	End	2050
GI	none	Score	83
Exons	1425..1940, 1428..1679, 1537..1863, 1710..1904, 1943..2050		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o4.tm	Method	TBLASTX:Maize
Start	1991	End	2407
GI	none	Score	126
Exons	1991..2407, 1992..2297, 2243..2383		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23

Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o2.ts	Method	TBLASTX:Soybean
Start	2009	End	2269
GI	none	Score	143
Exons	2009..2269, 2010..2264		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o2.tw	Method	TBLASTX:Wheat
Start	2057	End	2624
GI	none	Score	233
Exons	2057..2593, 2058..2309, 2063..2521, 2367..2624		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o2.tm	Method	TBLASTX:Maize
Start	2615	End	2978
GI	none	Score	152
Exons	2615..2977, 2624..2977, 2628..2978		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o3.tw	Method	TBLASTX:Wheat
Start	2627	End	3026
GI	none	Score	350
Exons	2627..3010, 2628..3011, 2688..3026		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o3.ts	Method	TBLASTX:Soybean
Start	2798	End	3034
GI	none	Score	84
Exons	2798..3034, 2799..3005		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o3.tm	Method	TBLASTX:Maize
Start	3016	End	3516
GI	none	Score	59
Exons	3016..3330, 3058..3168, 3137..3190, 3334..3516, 3392..3508		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o5.tw	Method	TBLASTX:Wheat
Start	3028	End	3354
GI	none	Score	273
Exons	3028..3354, 3047..3352		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-

Start	5811	End	6616
Name	OJ990615_07.0103.C23.o1.ts	Method	TBLASTX:Soybean
Start	3066	End	3462
GI	none	Score	71
Exons	3066..3317, 3067..3426, 3068..3358, 3392..3424, 3430..3462, 3431..3460		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o4.tw	Method	TBLASTX:Wheat
Start	3403	End	3889
GI	none	Score	226
Exons	3403..3780, 3446..3889		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o5.tm	Method	TBLASTX:Maize
Start	3584	End	3868
GI	none	Score	158
Exons	3584..3868, 3586..3867		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o7.tw	Method	TBLASTX:Wheat
Start	4054	End	4423
GI	none	Score	65
Exons	4054..4167, 4055..4168, 4086..4181, 4213..4422, 4280..4423		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o6.tm	Method	TBLASTX:Maize
Start	4783	End	5088
GI	none	Score	62
Exons	4783..5088, 4910..5074		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o6.tw	Method	TBLASTX:Wheat
Start	4969	End	5329
GI	none	Score	136
Exons	4969..5328, 4970..5329		

Seq. No.	26564	Seq. ID	OJ990615_07.0103.C23
Gene No.	55042	Strand	-
Start	5811	End	6616
Name	OJ990615_07.0103.C23.o3.gs	Method	GENSCAN
Start	5811	End	6616
GI	none	Score	.5
Exons	5811..5888, 6153..6368, 6401..6616		

Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55043	Strand	+

Start	69	End	4701
Name	OJ990615_07.0103.C24.o1.gs	Method	GENSCAN
Start	69	End	697
GI	none	Score	.99
Exons	69..697		

Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55043	Strand	+
Start	69	End	4701
Name	OJ990615_07.0103.C24.o2.np	Method	AAT/NAP
Start	588	End	4701
GI	4206306	Score	906
Exons	588..638, 2543..4701		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55043	Strand	+
Start	69	End	4701
Name	OJ990615_07.0103.C24.o1.gp	Method	AAT/GAP
Start	1445	End	1829
GI	uC-osflcyp033a04b1	Score	608
Exons	1445..1829		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55043	Strand	+
Start	69	End	4701
Name	OJ990615_07.0103.C24.o3.gs	Method	GENSCAN
Start	1831	End	4396
GI	none	Score	.82
Exons	1831..1907, 2501..2645, 2669..2856, 3564..4396		

Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55044	Strand	-
Start	1	End	4701
Name	OJ990615_07.0103.C24.o1.np	Method	AAT/NAP
Start	1	End	4701
GI	5852180	Score	578
Exons	1..516, 568..680, 1672..1733, 4613..4701		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55044	Strand	-
Start	1	End	4701
Name	OJ990615_07.0103.C24.o1.tw	Method	TBLASTX:Wheat
Start	2580	End	2983
GI	none	Score	53
Exons	2580..2606, 2640..2672, 2649..2681, 2654..2683, 2680..2940, 2681..2983, 2693..2983		

Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55044	Strand	-
Start	1	End	4701
Name	OJ990615_07.0103.C24.o2.tm	Method	TBLASTX:Maize
Start	2649	End	2851
GI	none	Score	52

Exons	2649..2681, 2680..2850, 2684..2851		
Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55044	Strand	-
Start	1	End	4701
Name	OJ990615_07.0103.C24.o1.tm	Method	TBLASTX:Maize
Start	2852	End	3310
GI	none	Score	529
Exons	2852..3310, 2852..3241, 3160..3309		
Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55044	Strand	-
Start	1	End	4701
Name	OJ990615_07.0103.C24.o2.tw	Method	TBLASTX:Wheat
Start	2984	End	3382
GI	none	Score	194
Exons	2984..3304, 3001..3108, 3281..3382		
Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55044	Strand	-
Start	1	End	4701
Name	OJ990615_07.0103.C24.o2.ts	Method	TBLASTX:Soybean
Start	2999	End	3481
GI	none	Score	213
Exons	2999..3280, 3037..3105, 3281..3481, 3325..3465		
Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55044	Strand	-
Start	1	End	4701
Name	OJ990615_07.0103.C24.o1.ts	Method	TBLASTX:Soybean
Start	3619	End	4029
GI	none	Score	138
Exons	3619..3756, 3621..3770, 3777..3944, 3778..4029		
Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55044	Strand	-
Start	1	End	4701
Name	OJ990615_07.0103.C24.o3.tw	Method	TBLASTX:Wheat
Start	3664	End	4062
GI	none	Score	75
Exons	3664..3747, 3793..4062		
Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55044	Strand	-
Start	1	End	4701
Name	OJ990615_07.0103.C24.o3.tm	Method	TBLASTX:Maize
Start	4249	End	4626
GI	none	Score	199
Exons	4249..4626		
Seq. No.	26565	Seq. ID	OJ990615_07.0103.C24
Gene No.	55044	Strand	-
Start	1	End	4701
Name	OJ990615_07.0103.C24.o3.ts	Method	TBLASTX:Soybean
Start	4405	End	4662
GI	none	Score	183
Exons	4405..4662, 4464..4655		

Seq. No.	26566	Seq. ID	OJ990615_07.0103.C25
Gene No.	55045	Strand	+
Start	1	End	1425
Name	OJ990615_07.0103.C25.o1.np	Method	AAT/NAP
Start	1	End	1374
GI	4544372	Score	547
Exons	1..27, 131..1374		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	26566	Seq. ID	OJ990615_07.0103.C25
Gene No.	55045	Strand	+
Start	1	End	1425
Name	OJ990615_07.0103.C25.o1.gs	Method	GENSCAN
Start	10	End	1395
GI	none	Score	.5
Exons	10..312, 427..1395		

Seq. No.	26566	Seq. ID	OJ990615_07.0103.C25
Gene No.	55045	Strand	+
Start	1	End	1425
Name	OJ990615_07.0103.C25.o2.np	Method	AAT/NAP
Start	272	End	1425
GI	629693	Score	524
Exons	272..1425		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	26566	Seq. ID	OJ990615_07.0103.C25
Gene No.	55046	Strand	-
Start	1731	End	1939
Name	OJ990615_07.0103.C25.o1.tm	Method	TBLASTX:Maize
Start	160	End	537
GI	none	Score	199
Exons	160..537		

Seq. No.	26566	Seq. ID	OJ990615_07.0103.C25
Gene No.	55046	Strand	-
Start	1731	End	1939
Name	OJ990615_07.0103.C25.o2.tw	Method	TBLASTX:Wheat
Start	235	End	624
GI	none	Score	167
Exons	235..537, 568..624		

Seq. No.	26566	Seq. ID	OJ990615_07.0103.C25
Gene No.	55046	Strand	-
Start	1731	End	1939
Name	OJ990615_07.0103.C25.o2.ts	Method	TBLASTX:Soybean
Start	394	End	792
GI	none	Score	206
Exons	394..792, 498..614		

Seq. No.	26566	Seq. ID	OJ990615_07.0103.C25
Gene No.	55046	Strand	-
Start	1731	End	1939
Name	OJ990615_07.0103.C25.o1.tw	Method	TBLASTX:Wheat

Start	952	End	1359
GI	none	Score	215
Exons	952..1359, 1182..1325		

Seq. No.	26566	Seq. ID	OJ990615_07.0103.C25
Gene No.	55046	Strand	-
Start	1731	End	1939
Name	OJ990615_07.0103.C25.o1.ts	Method	TBLASTX:Soybean
Start	1135	End	1385
GI	none	Score	251
Exons	1135..1380, 1135..1302, 1137..1307, 1344..1385		

Seq. No.	26566	Seq. ID	OJ990615_07.0103.C25
Gene No.	55046	Strand	-
Start	1731	End	1939
Name	OJ990615_07.0103.C25.o2.gs	Method	GENSCAN
Start	1731	End	1939
GI	none	Score	.99
Exons	1731..1939		

Seq. No.	26567	Seq. ID	OJ990615_07.0103.C27
Gene No.	55047	Strand	+
Start	1	End	408
Name	OJ990615_07.0103.C27.o1.np	Method	AAT/NAP
Start	1	End	408
GI	6721512	Score	102
Exons	1..82, 163..276, 304..408		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	26568	Seq. ID	OJ990615_07.0103.C28
Gene No.	55048	Strand	-
Start	156	End	235
Name	OJ990615_07.0103.C28.o1.gs	Method	GENSCAN
Start	156	End	235
GI	none	Score	.54
Exons	156..235		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o1.np	Method	AAT/NAP
Start	1	End	1696
GI	4680179	Score	2463
Exons	1..1696		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o2.tw	Method	TBLASTX:Wheat
Start	41	End	570
GI	none	Score	265
Exons	41..514, 43..570, 49..567		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696

Name	OJ990615_07.0103.C29.o3.tm	Method	TBLASTX:Maize
Start	41	End	289
GI	none	Score	143
Exons	41..289, 43..288		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o1.gs	Method	GENSCAN
Start	103	End	1617
GI	none	Score	.66
Exons	103..357, 541..746, 768..1617		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o2.tm	Method	TBLASTX:Maize
Start	295	End	612
GI	none	Score	249
Exons	295..612, 299..601		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o1.ts	Method	TBLASTX:Soybean
Start	529	End	789
GI	none	Score	177
Exons	529..789, 530..751, 538..777		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o1.tc	Method	TBLASTX:Cress
Start	553	End	879
GI	none	Score	87
Exons	553..696, 554..694, 697..879		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o1.tw	Method	TBLASTX:Wheat
Start	576	End	1116
GI	none	Score	141
Exons	576..842, 577..1116, 581..934		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o4.tm	Method	TBLASTX:Maize
Start	613	End	960
GI	none	Score	158
Exons	613..933, 614..934, 628..960		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o1.tm	Method	TBLASTX:Maize

Start	1144	End	1497
GI	none	Score	195
Exons	1144..1497, 1151..1492		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o3.tw	Method	TBLASTX:Wheat
Start	1144	End	1569
GI	none	Score	223
Exons	1144..1494, 1144..1569, 1151..1567		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o5.tm	Method	TBLASTX:Maize
Start	1505	End	1690
GI	none	Score	114
Exons	1505..1690, 1520..1666, 1537..1689		

Seq. No.	26569	Seq. ID	OJ990615_07.0103.C29
Gene No.	55049	Strand	-
Start	1	End	1696
Name	OJ990615_07.0103.C29.o4.tw	Method	TBLASTX:Wheat
Start	1570	End	1696
GI	none	Score	118
Exons	1570..1692, 1571..1693, 1572..1694, 1580..1696, 1599..1694		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o1.np	Method	AAT/NAP
Start	1	End	2523
GI	4680179	Score	2946
Exons	1..1816, 1844..2523		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o2.tw	Method	TBLASTX:Wheat
Start	56	End	449
GI	none	Score	137
Exons	56..370, 56..448, 57..449		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o1.tm	Method	TBLASTX:Maize
Start	107	End	532
GI	none	Score	201
Exons	107..532, 120..485		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o1.gs	Method	GENSCAN

Start	149	End	2462
GI	none	Score	.54
Exons	149..562, 575..2462		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o1.ts	Method	TBLASTX:Soybean
Start	434	End	829
GI	none	Score	185
Exons	434..685, 444..677, 740..793, 750..791, 797..829, 797..829		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o4.tw	Method	TBLASTX:Wheat
Start	452	End	682
GI	none	Score	233
Exons	452..682, 453..680		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o2.tm	Method	TBLASTX:Maize
Start	740	End	1187
GI	none	Score	66
Exons	740..1183, 945..1187		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o1.tw	Method	TBLASTX:Wheat
Start	769	End	1253
GI	none	Score	204
Exons	769..1143, 770..1252, 773..1216, 813..1253		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o2.ts	Method	TBLASTX:Soybean
Start	902	End	1216
GI	none	Score	198
Exons	902..1216		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o4.tm	Method	TBLASTX:Maize
Start	1188	End	1381
GI	none	Score	156
Exons	1188..1343, 1190..1381		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o5.tw	Method	TBLASTX:Wheat
Start	1385	End	1738

GI	none	Score	56
Exons	1385..1738, 1454..1561		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o3.tw	Method	TBLASTX:Wheat
Start	2072	End	2423
GI	none	Score	74
Exons	2072..2422, 2250..2423		

Seq. No.	26570	Seq. ID	OJ990615_07.0103.C30
Gene No.	55050	Strand	-
Start	1	End	2523
Name	OJ990615_07.0103.C30.o3.tm	Method	TBLASTX:Maize
Start	2117	End	2422
GI	none	Score	97
Exons	2117..2422, 2135..2422		

Seq. No.	26571	Seq. ID	OJ990615_07.0103.C31
Gene No.	55051	Strand	-
Start	220	End	5505
Name	OJ990615_07.0103.C31.o1.gs	Method	GENSCAN
Start	220	End	5360
GI	none	Score	.58
Exons	220..1017, 3306..4185, 4515..4557, 4685..5360		

Seq. No.	26571	Seq. ID	OJ990615_07.0103.C31
Gene No.	55051	Strand	-
Start	220	End	5505
Name	OJ990615_07.0103.C31.o1.np	Method	AAT/NAP
Start	223	End	1017
GI	4512231	Score	1299
Exons	223..1017		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	26571	Seq. ID	OJ990615_07.0103.C31
Gene No.	55051	Strand	-
Start	220	End	5505
Name	OJ990615_07.0103.C31.o2.np	Method	AAT/NAP
Start	4527	End	5505
GI	4680179	Score	1460
Exons	4527..5505		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26571	Seq. ID	OJ990615_07.0103.C31
Gene No.	55051	Strand	-
Start	220	End	5505
Name	OJ990615_07.0103.C31.o2.tw	Method	TBLASTX:Wheat
Start	4572	End	4905
GI	none	Score	78
Exons	4572..4904, 4623..4754, 4624..4905		

Seq. No.	26571	Seq. ID	OJ990615_07.0103.C31
Gene No.	55051	Strand	-
Start	220	End	5505
Name	OJ990615_07.0103.C31.o1.tm	Method	TBLASTX:Maize

Start	4767	End	5352
GI	none	Score	227
Exons	4767..5192, 4768..5193, 5190..5351, 5197..5352		

Seq. No.	26571	Seq. ID	OJ990615_07.0103.C31
Gene No.	55051	Strand	-
Start	220	End	5505
Name	OJ990615_07.0103.C31.o1.tw	Method	TBLASTX:Wheat
Start	4905	End	5504
GI	none	Score	324
Exons	4905..5504, 4906..5475		

Seq. No.	26571	Seq. ID	OJ990615_07.0103.C31
Gene No.	55051	Strand	-
Start	220	End	5505
Name	OJ990615_07.0103.C31.o2.tm	Method	TBLASTX:Maize
Start	5352	End	5505
GI	none	Score	105
Exons	5352..5504, 5355..5462, 5365..5505		

Seq. No.	26572	Seq. ID	OJ990615_07.0103.C32
Gene No.	55052	Strand	-
Start	671	End	1777
Name	OJ990615_07.0103.C32.o1.gs	Method	GENSCAN
Start	671	End	1777
GI	none	Score	.98
Exons	671..756, 1663..1777		

Seq. No.	26572	Seq. ID	OJ990615_07.0103.C32
Gene No.	55052	Strand	-
Start	671	End	1777
Name	OJ990615_07.0103.C32.o1.np	Method	AAT/NAP
Start	1270	End	1458
GI	5042463	Score	75
Exons	1270..1458		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	26573	Seq. ID	OJ990615_07.0103.C33
Gene No.	55053	Strand	+
Start	1	End	356
Name	OJ990615_07.0103.C33.o1.np	Method	AAT/NAP
Start	1	End	356
GI	4680186	Score	300
Exons	1..50, 156..356		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26573	Seq. ID	OJ990615_07.0103.C33
Gene No.	55054	Strand	-
Start	1	End	289
Name	OJ990615_07.0103.C33.o1.gp	Method	AAT/GAP
Start	1	End	289
GI	uC-osf1cyp033a04b1	Score	493
Exons	1..289		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26574	Seq. ID	OJ990615_07.0103.C34

Gene No.	55055	Strand	+
Start	590	End	1044
Name	OJ990615_07.0103.C34.o1.gp	Method	AAT/GAP
Start	590	End	1044
GI	95437_1.R1084	Score	770
Exons	590..1044		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	26575	Seq. ID	OJ990615_07.0103.C35
Gene No.	55056	Strand	+
Start	1	End	505
Name	OJ990615_07.0103.C35.o1.np	Method	AAT/NAP
Start	1	End	505
GI	4680186	Score	330
Exons	1..47, 289..505		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26575	Seq. ID	OJ990615_07.0103.C35
Gene No.	55057	Strand	-
Start	57	End	438
Name	OJ990615_07.0103.C35.o1.gp	Method	AAT/GAP
Start	57	End	438
GI	uC-osf1cyp033a04b1	Score	647
Exons	57..438		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26576	Seq. ID	OJ990615_07.0103.C37
Gene No.	55058	Strand	+
Start	1	End	66
Name	OJ990615_07.0103.C37.o1.np	Method	AAT/NAP
Start	1	End	66
GI	4512231	Score	112
Exons	1..66		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	26576	Seq. ID	OJ990615_07.0103.C37
Gene No.	55059	Strand	+
Start	11	End	1167
Name	OJ990615_07.0103.C37.o2.np	Method	AAT/NAP
Start	11	End	1167
GI	4680179	Score	728
Exons	11..56, 336..1167		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26576	Seq. ID	OJ990615_07.0103.C37
Gene No.	55059	Strand	+
Start	11	End	1167
Name	OJ990615_07.0103.C37.o2.tw	Method	TBLASTX:Wheat
Start	497	End	695
GI	none	Score	203
Exons	497..694, 498..695, 501..695		

Seq. No.	26576	Seq. ID	OJ990615_07.0103.C37
Gene No.	55059	Strand	+

Start	11	End	1167
Name	OJ990615_07.0103.C37.o1.tw	Method	TBLASTX:Wheat
Start	746	End	1097
GI	none	Score	312
Exons	746..919, 747..1097		

Seq. No.	26576	Seq. ID	OJ990615_07.0103.C37
Gene No.	55059	Strand	+
Start	11	End	1167
Name	OJ990615_07.0103.C37.o1.tm	Method	TBLASTX:Maize
Start	747	End	1052
GI	none	Score	240
Exons	747..1052, 747..1034		

Seq. No.	26577	Seq. ID	OJ990615_07.0103.C39
Gene No.	55060	Strand	+
Start	1	End	5297
Name	OJ990615_07.0103.C39.o1.np	Method	AAT/NAP
Start	1	End	5297
GI	6907087	Score	785
Exons	1..214, 408..810, 4376..4655, 5196..5297		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26577	Seq. ID	OJ990615_07.0103.C39
Gene No.	55060	Strand	+
Start	1	End	5297
Name	OJ990615_07.0103.C39.o1.gs	Method	GENSCAN
Start	66	End	1551
GI	none	Score	.57
Exons	66..165, 291..412, 477..580, 622..804, 1081..1191, 1312..1551		

Seq. No.	26577	Seq. ID	OJ990615_07.0103.C39
Gene No.	55061	Strand	+
Start	5763	End	6146
Name	OJ990615_07.0103.C39.o3.gp	Method	AAT/GAP
Start	5763	End	6146
GI	uC-osflcyp033a04b1	Score	673
Exons	5763..6146		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26577	Seq. ID	OJ990615_07.0103.C39
Gene No.	55062	Strand	-
Start	963	End	1073
Name	OJ990615_07.0103.C39.o1.gp	Method	AAT/GAP
Start	963	End	1073
GI	uC-osflcyp088b12b1	Score	164
Exons	963..1073		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	26577	Seq. ID	OJ990615_07.0103.C39
Gene No.	55063	Strand	-
Start	2560	End	4966
Name	OJ990615_07.0103.C39.o2.gs	Method	GENSCAN

Start	2560	End	4966
GI	none	Score	.71
Exons	2560..2996, 3082..3192, 3361..3607, 3789..3944, 4352..4816, 4821..4915, 4924..4966		

Seq. No.	26577	Seq. ID	OJ990615_07.0103.C39
Gene No.	55064	Strand	-
Start	5190	End	7600
Name	OJ990615_07.0103.C39.o3.gs	Method	GENSCAN
Start	5190	End	5803
GI	none	Score	.65
Exons	5190..5296, 5743..5803		

Seq. No.	26577	Seq. ID	OJ990615_07.0103.C39
Gene No.	55064	Strand	-
Start	5190	End	7600
Name	OJ990615_07.0103.C39.o2.np	Method	AAT/NAP
Start	5692	End	7600
GI	4680186	Score	212
Exons	5692..5896, 7553..7600		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26577	Seq. ID	OJ990615_07.0103.C39
Gene No.	55064	Strand	-
Start	5190	End	7600
Name	OJ990615_07.0103.C39.o4.gs	Method	GENSCAN
Start	7021	End	7439
GI	none	Score	.81
Exons	7021..7093, 7384..7439		

Seq. No.	26578	Seq. ID	OJ990615_07.0103.C42
Gene No.	55065	Strand	+
Start	63	End	560
Name	OJ990615_07.0103.C42.o1.np	Method	AAT/NAP
Start	63	End	560
GI	6721562	Score	581
Exons	63..560		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	26579	Seq. ID	OJ990615_07.0103.C43
Gene No.	55066	Strand	+
Start	79	End	629
Name	OJ990615_07.0103.C43.o1.gs	Method	GENSCAN
Start	79	End	629
GI	none	Score	.64
Exons	79..629		

Seq. No.	26579	Seq. ID	OJ990615_07.0103.C43
Gene No.	55067	Strand	-
Start	1	End	686
Name	OJ990615_07.0103.C43.o1.np	Method	AAT/NAP
Start	1	End	686
GI	5852180	Score	417

Exons	1..514, 566..686		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	26580	Seq. ID	OJ990615_07.0103.C45
Gene No.	55068	Strand	+
Start	361	End	429
Name	OJ990615_07.0103.C45.o1.gs	Method	GENSCAN
Start	361	End	429
GI	none	Score	.72
Exons	361..429		
Seq. No.	26581	Seq. ID	OJ990615_07.0103.C46
Gene No.	55069	Strand	+
Start	729	End	1110
Name	OJ990615_07.0103.C46.o1.gp	Method	AAT/GAP
Start	729	End	1110
GI	uC-osflcyp033a04b1	Score	675
Exons	729..1110		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	26581	Seq. ID	OJ990615_07.0103.C46
Gene No.	55070	Strand	-
Start	662	End	2008
Name	OJ990615_07.0103.C46.o1.np	Method	AAT/NAP
Start	662	End	2008
GI	4680186	Score	377
Exons	662..862, 1702..1752, 1967..2008		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	26582	Seq. ID	OJ990615_07.0103.C47
Gene No.	55071	Strand	-
Start	1	End	539
Name	OJ990615_07.0103.C47.o1.np	Method	AAT/NAP
Start	1	End	539
GI	6907087	Score	437
Exons	1..539		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	26582	Seq. ID	OJ990615_07.0103.C47
Gene No.	55071	Strand	-
Start	1	End	539
Name	OJ990615_07.0103.C47.o1.gs	Method	GENSCAN
Start	63	End	384
GI	none	Score	.4
Exons	63..141, 205..384		
Seq. No.	26583	Seq. ID	OJ990615_07.0103.C48
Gene No.	55072	Strand	+
Start	150	End	966
Name	OJ990615_07.0103.C48.o1.np	Method	AAT/NAP
Start	150	End	966
GI	4680179	Score	697
Exons	150..966		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26583	Seq. ID	OJ990615_07.0103.C48
Gene No.	55072	Strand	+
Start	150	End	966
Name	OJ990615_07.0103.C48.o1.gs	Method	GENSCAN
Start	153	End	947
GI	none	Score	.75
Exons	153..947		

Seq. No.	26583	Seq. ID	OJ990615_07.0103.C48
Gene No.	55072	Strand	+
Start	150	End	966
Name	OJ990615_07.0103.C48.o1.tw	Method	TBLASTX:Wheat
Start	366	End	728
GI	none	Score	292
Exons	366..728, 368..727		

Seq. No.	26583	Seq. ID	OJ990615_07.0103.C48
Gene No.	55072	Strand	+
Start	150	End	966
Name	OJ990615_07.0103.C48.o1.tm	Method	TBLASTX:Maize
Start	609	End	914
GI	none	Score	224
Exons	609..914, 623..739		

Seq. No.	26583	Seq. ID	OJ990615_07.0103.C48
Gene No.	55072	Strand	+
Start	150	End	966
Name	OJ990615_07.0103.C48.o2.tw	Method	TBLASTX:Wheat
Start	729	End	959
GI	none	Score	170
Exons	729..959		

Seq. No.	26584	Seq. ID	OJ990615_07.0103.C49
Gene No.	55073	Strand	-
Start	295	End	678
Name	OJ990615_07.0103.C49.o1.gs	Method	GENSCAN
Start	295	End	586
GI	none	Score	.61
Exons	295..533, 554..586		

Seq. No.	26584	Seq. ID	OJ990615_07.0103.C49
Gene No.	55073	Strand	-
Start	295	End	678
Name	OJ990615_07.0103.C49.o1.gp	Method	AAT/GAP
Start	419	End	678
GI	61605_1.R1084	Score	470
Exons	419..678		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	26585	Seq. ID	OJ990615_07.0103.C51
Gene No.	55074	Strand	-
Start	94	End	416
Name	OJ990615_07.0103.C51.o1.gs	Method	GENSCAN
Start	94	End	416
GI	none	Score	.77

Exons	94..416		
Seq. No.	26586	Seq. ID	OJ990615_07.0103.C53
Gene No.	55075	Strand	-
Start	440	End	466
Name	OJ990615_07.0103.C53.o1.gs	Method	GENSCAN
Start	440	End	466
GI	none	Score	.49
Exons	440..466		
Seq. No.	26587	Seq. ID	OJ990615_07.0103.C54
Gene No.	55076	Strand	+
Start	277	End	367
Name	OJ990615_07.0103.C54.o1.gs	Method	GENSCAN
Start	277	End	367
GI	none	Score	.76
Exons	277..367		
Seq. No.	26587	Seq. ID	OJ990615_07.0103.C54
Gene No.	55077	Strand	+
Start	638	End	823
Name	OJ990615_07.0103.C54.o1.gp	Method	AAT/GAP
Start	638	End	823
GI	6025105	Score	246
Exons	638..823		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		
Seq. No.	26588	Seq. ID	OJ990615_07.0103.C55
Gene No.	55078	Strand	-
Start	1377	End	1430
Name	OJ990615_07.0103.C55.o1.gs	Method	GENSCAN
Start	1377	End	1430
GI	none	Score	.45
Exons	1377..1430		
Seq. No.	26589	Seq. ID	OJ990615_07.0103.C56
Gene No.	55079	Strand	-
Start	60	End	614
Name	OJ990615_07.0103.C56.o1.gs	Method	GENSCAN
Start	60	End	614
GI	none	Score	.94
Exons	60..196, 284..494, 530..614		
Seq. No.	26590	Seq. ID	OJ990615_07.0103.C57
Gene No.	55080	Strand	-
Start	244	End	629
Name	OJ990615_07.0103.C57.o1.gs	Method	GENSCAN
Start	244	End	629
GI	none	Score	.52
Exons	244..262, 313..629		
Seq. No.	26590	Seq. ID	OJ990615_07.0103.C57
Gene No.	55081	Strand	-
Start	1334	End	2283
Name	OJ990615_07.0103.C57.o1.np	Method	AAT/NAP
Start	1256	End	2283

GI	4680179	Score	1449
Exons	1256..2283		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26590	Seq. ID	OJ990615_07.0103.C57
Gene No.	55081	Strand	-
Start	1334	End	2283
Name	OJ990615_07.0103.C57.o2.tw	Method	TBLASTX:Wheat
Start	1301	End	1634
GI	none	Score	145
Exons	1301..1633, 1365..1634		

Seq. No.	26590	Seq. ID	OJ990615_07.0103.C57
Gene No.	55081	Strand	-
Start	1334	End	2283
Name	OJ990615_07.0103.C57.o2.gs	Method	GENSCAN
Start	1334	End	2047
GI	none	Score	.45
Exons	1334..2047		

Seq. No.	26590	Seq. ID	OJ990615_07.0103.C57
Gene No.	55081	Strand	-
Start	1334	End	2283
Name	OJ990615_07.0103.C57.o1.tm	Method	TBLASTX:Maize
Start	1481	End	2080
GI	none	Score	211
Exons	1481..1921, 1497..1919, 1919..2080, 1925..2077		

Seq. No.	26590	Seq. ID	OJ990615_07.0103.C57
Gene No.	55081	Strand	-
Start	1334	End	2283
Name	OJ990615_07.0103.C57.o1.tw	Method	TBLASTX:Wheat
Start	1634	End	2259
GI	none	Score	89
Exons	1634..2149, 1637..1888, 1746..2072, 1919..2113, 2152..2259		

Seq. No.	26590	Seq. ID	OJ990615_07.0103.C57
Gene No.	55081	Strand	-
Start	1334	End	2283
Name	OJ990615_07.0103.C57.o2.tm	Method	TBLASTX:Maize
Start	2081	End	2283
GI	none	Score	53
Exons	2081..2152, 2087..2140, 2146..2283, 2150..2281		

Seq. No.	26591	Seq. ID	OJ990615_07.0103.C59
Gene No.	55082	Strand	+
Start	157	End	1869
Name	OJ990615_07.0103.C59.o1.gp	Method	AAT/GAP
Start	157	End	527
GI	none	Score	686
Exons	157..527		

Seq. No.	26591	Seq. ID	OJ990615_07.0103.C59
Gene No.	55082	Strand	+
Start	157	End	1869
Name	OJ990615_07.0103.C59.o1.gs	Method	GENSCAN
Start	240	End	1633

GI	none	Score	.81
Exons	240..584, 650..841, 952..1117, 1203..1633		

Seq. No.	26591	Seq. ID	OJ990615_07.0103.C59
Gene No.	55082	Strand	+
Start	157	End	1869
Name	OJ990615_07.0103.C59.o1.np	Method	AAT/NAP
Start	262	End	1630
GI	2244985	Score	709
Exons	262..619, 650..841, 952..1143, 1272..1630		
GI Descrip.	(Z97340) peroxidase like protein [Arabidopsis thaliana]		

Seq. No.	26591	Seq. ID	OJ990615_07.0103.C59
Gene No.	55082	Strand	+
Start	157	End	1869
Name	OJ990615_07.0103.C59.o3.gp	Method	AAT/GAP
Start	1479	End	1869
GI	none	Score	719
Exons	1479..1869		

Seq. No.	26591	Seq. ID	OJ990615_07.0103.C59
Gene No.	55083	Strand	-
Start	2342	End	4927
Name	OJ990615_07.0103.C59.o1.ts	Method	TBLASTX:Soybean
Start	417	End	1444
GI	none	Score	97
Exons	417..554, 503..553, 641..835, 649..834, 954..1118, 955..1119, 1199..1240, 1337..1444		

Seq. No.	26591	Seq. ID	OJ990615_07.0103.C59
Gene No.	55083	Strand	-
Start	2342	End	4927
Name	OJ990615_07.0103.C59.o1.tc	Method	TBLASTX:Cress
Start	432	End	1444
GI	none	Score	101
Exons	432..551, 437..550, 640..831, 641..838, 952..1119, 954..1118, 1199..1240, 1201..1242, 1352..1444		

Seq. No.	26591	Seq. ID	OJ990615_07.0103.C59
Gene No.	55083	Strand	-
Start	2342	End	4927
Name	OJ990615_07.0103.C59.o1.tm	Method	TBLASTX:Maize
Start	441	End	1444
GI	none	Score	86
Exons	441..551, 456..554, 641..844, 649..843, 954..1118, 955..1119, 1197..1232, 1199..1240, 1361..1444		

Seq. No.	26591	Seq. ID	OJ990615_07.0103.C59
Gene No.	55083	Strand	-
Start	2342	End	4927
Name	OJ990615_07.0103.C59.o1.tw	Method	TBLASTX:Wheat
Start	697	End	1231
GI	none	Score	153
Exons	697..840, 698..844, 954..1118, 955..1119, 1197..1229, 1199..1231		

Seq. No.	26591	Seq. ID	OJ990615_07.0103.C59
Gene No.	55083	Strand	-

Start	2342	End	4927
Name	OJ990615_07.0103.C59.o2.gs	Method	GENSCAN
Start	2342	End	4927
GI	none	Score	.62
Exons	2342..2383, 3590..3640, 4880..4927		

Seq. No.	26592	Seq. ID	OJ990615_07.0103.C61
Gene No.	55084	Strand	+
Start	23	End	214
Name	OJ990615_07.0103.C61.o1.gs	Method	GENSCAN
Start	23	End	214
GI	none	Score	.95
Exons	23..214		

Seq. No.	26592	Seq. ID	OJ990615_07.0103.C61
Gene No.	55085	Strand	-
Start	1	End	145
Name	OJ990615_07.0103.C61.o1.np	Method	AAT/NAP
Start	1	End	145
GI	6815062	Score	150
Exons	1..145		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	26593	Seq. ID	OJ990615_07.0103.C62
Gene No.	55086	Strand	+
Start	1	End	773
Name	OJ990615_07.0103.C62.o1.np	Method	AAT/NAP
Start	1	End	773
GI	4680179	Score	953
Exons	1..773		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26593	Seq. ID	OJ990615_07.0103.C62
Gene No.	55086	Strand	+
Start	1	End	773
Name	OJ990615_07.0103.C62.o1.gs	Method	GENSCAN
Start	40	End	689
GI	none	Score	.97
Exons	40..66, 72..689		

Seq. No.	26593	Seq. ID	OJ990615_07.0103.C62
Gene No.	55086	Strand	+
Start	1	End	773
Name	OJ990615_07.0103.C62.o1.tw	Method	TBLASTX:Wheat
Start	113	End	671
GI	none	Score	657
Exons	113..670, 135..671		

Seq. No.	26593	Seq. ID	OJ990615_07.0103.C62
Gene No.	55086	Strand	+
Start	1	End	773
Name	OJ990615_07.0103.C62.o1.tm	Method	TBLASTX:Maize
Start	321	End	704
GI	none	Score	321
Exons	321..704, 345..485, 431..688		

Seq. No.	26593	Seq. ID	OJ990615_07.0103.C62
Gene No.	55086	Strand	+
Start	1	End	773
Name	OJ990615_07.0103.C62.o1.tc	Method	TBLASTX:Cress
Start	378	End	695
GI	none	Score	90
Exons	378..551, 552..695, 554..694		

Seq. No.	26593	Seq. ID	OJ990615_07.0103.C62
Gene No.	55086	Strand	+
Start	1	End	773
Name	OJ990615_07.0103.C62.o1.ts	Method	TBLASTX:Soybean
Start	459	End	701
GI	none	Score	267
Exons	459..701, 462..680, 464..694		

Seq. No.	26594	Seq. ID	OJ990615_07.0103.C63
Gene No.	55087	Strand	+
Start	1	End	688
Name	OJ990615_07.0103.C63.o1.np	Method	AAT/NAP
Start	1	End	666
GI	4680186	Score	195
Exons	1..45, 462..666		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26594	Seq. ID	OJ990615_07.0103.C63
Gene No.	55087	Strand	+
Start	1	End	688
Name	OJ990615_07.0103.C63.o1.gs	Method	GENSCAN
Start	555	End	688
GI	none	Score	.75
Exons	555..688		

Seq. No.	26594	Seq. ID	OJ990615_07.0103.C63
Gene No.	55088	Strand	-
Start	211	End	595
Name	OJ990615_07.0103.C63.o1.gp	Method	AAT/GAP
Start	211	End	595
GI	uC-osflcyp033a04b1	Score	600
Exons	211..595		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o1.gs	Method	GENSCAN
Start	318	End	3916
GI	none	Score	.66
Exons	318..2533, 2587..3456, 3643..3916		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o1.np	Method	AAT/NAP
Start	321	End	4021

GI	4680179	Score	4701
Exons	321..3721, 3755..4021		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o6.tw	Method	TBLASTX:Wheat
Start	366	End	699
GI	none	Score	126
Exons	366..698, 430..699		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o1.tm	Method	TBLASTX:Maize
Start	546	End	1145
GI	none	Score	113
Exons	546..986, 561..824, 562..984, 903..986, 984..1145, 990..1142, 991..1143		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o1.tw	Method	TBLASTX:Wheat
Start	699	End	1325
GI	none	Score	67
Exons	699..1325, 702..824, 811..1269		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o3.tm	Method	TBLASTX:Maize
Start	1194	End	1485
GI	none	Score	216
Exons	1194..1484, 1198..1485		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o2.ts	Method	TBLASTX:Soybean
Start	1283	End	1544
GI	none	Score	159
Exons	1283..1414, 1284..1544, 1285..1539		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o1.tc	Method	TBLASTX:Cress
Start	1308	End	1625
GI	none	Score	78
Exons	1308..1451, 1309..1449, 1452..1625		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o2.tw	Method	TBLASTX:Wheat

Start	1332	End	1899
GI	none	Score	336
Exons	1332..1868, 1336..1899		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o2.tm	Method	TBLASTX:Maize
Start	1899	End	2253
GI	none	Score	233
Exons	1899..2252, 1903..2253		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o3.tw	Method	TBLASTX:Wheat
Start	1902	End	2324
GI	none	Score	365
Exons	1902..2324, 1903..2292		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o3.ts	Method	TBLASTX:Soybean
Start	2073	End	2318
GI	none	Score	93
Exons	2073..2318, 2074..2301		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o5.tm	Method	TBLASTX:Maize
Start	2259	End	2606
GI	none	Score	62
Exons	2259..2453, 2259..2606, 2260..2472		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o5.tw	Method	TBLASTX:Wheat
Start	2325	End	2627
GI	none	Score	272
Exons	2325..2627, 2341..2625		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o1.ts	Method	TBLASTX:Soybean
Start	2339	End	2734
GI	none	Score	186
Exons	2339..2608, 2340..2657, 2341..2625, 2639..2698, 2665..2697, 2702..2734, 2703..2732		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o4.tm	Method	TBLASTX:Maize

Start	2657	End	3092
GI	none	Score	59
Exons	2657..3088, 2718..2822, 2850..3092		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o4.tw	Method	TBLASTX:Wheat
Start	2675	End	3161
GI	none	Score	203
Exons	2675..3157, 2678..3043, 2718..3161		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o2.tc	Method	TBLASTX:Cress
Start	2711	End	3028
GI	none	Score	180
Exons	2711..3028		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o4.ts	Method	TBLASTX:Soybean
Start	2807	End	3121
GI	none	Score	184
Exons	2807..3121		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o7.tw	Method	TBLASTX:Wheat
Start	3272	End	3694
GI	none	Score	71
Exons	3272..3439, 3327..3440, 3485..3694, 3486..3638		

Seq. No.	26595	Seq. ID	OJ990615_07.0103.C64
Gene No.	55089	Strand	-
Start	318	End	4021
Name	OJ990615_07.0103.C64.o6.tm	Method	TBLASTX:Maize
Start	3377	End	3730
GI	none	Score	188
Exons	3377..3730		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o1.np	Method	AAT/NAP
Start	1	End	3790
GI	4680179	Score	3275
Exons	1..67, 689..2674, 2708..3790		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o1.tw	Method	TBLASTX:Wheat

Start	773	End	1276
GI	none	Score	353
Exons	773..1276, 855..1244		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o1.tm	Method	TBLASTX:Maize
Start	842	End	1205
GI	none	Score	172
Exons	842..1204, 851..1204, 855..1205		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o2.ts	Method	TBLASTX:Soybean
Start	1025	End	1270
GI	none	Score	93
Exons	1025..1270, 1026..1253		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o2.tm	Method	TBLASTX:Maize
Start	1241	End	1741
GI	none	Score	50
Exons	1241..1555, 1284..1334, 1362..1415, 1562..1741, 1614..1733		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o3.tw	Method	TBLASTX:Wheat
Start	1277	End	1579
GI	none	Score	267
Exons	1277..1579, 1293..1577		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o1.ts	Method	TBLASTX:Soybean
Start	1292	End	1687
GI	none	Score	199
Exons	1292..1651, 1293..1583, 1614..1649, 1655..1687, 1656..1685		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o2.tw	Method	TBLASTX:Wheat
Start	1628	End	2114
GI	none	Score	266
Exons	1628..2005, 1671..2114, 2060..2110		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o3.tm	Method	TBLASTX:Maize
Start	1809	End	2099

GI	none	Score	187
Exons	1809..2099, 1811..2098		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o5.tw	Method	TBLASTX:Wheat
Start	2210	End	2647
GI	none	Score	60
Exons	2210..2251, 2279..2392, 2280..2393, 2438..2647, 2439..2591		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o5.tm	Method	TBLASTX:Maize
Start	2330	End	2683
GI	none	Score	188
Exons	2330..2683		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o4.tm	Method	TBLASTX:Maize
Start	3008	End	3313
GI	none	Score	76
Exons	3008..3313, 3216..3299		

Seq. No.	26596	Seq. ID	OJ990615_07.0103.C65
Gene No.	55090	Strand	-
Start	1	End	3790
Name	OJ990615_07.0103.C65.o4.tw	Method	TBLASTX:Wheat
Start	3194	End	3556
GI	none	Score	139
Exons	3194..3556, 3216..3554		

Seq. No.	26597	Seq. ID	OJ990615_07.0103.C66
Gene No.	55091	Strand	+
Start	1776	End	3492
Name	OJ990615_07.0103.C66.o1.gs	Method	GENSCAN
Start	1776	End	3492
GI	none	Score	.59
Exons	1776..1951, 2465..2649, 2707..2838, 2941..3205, 3293..3492		

Seq. No.	26598	Seq. ID	OJ990615_07.0103.C67
Gene No.	55092	Strand	+
Start	590	End	2846
Name	OJ990615_07.0103.C67.o1.gs	Method	GENSCAN
Start	590	End	2846
GI	none	Score	.67
Exons	590..1155, 1245..1359, 1673..1798, 2749..2846		

Seq. No.	26598	Seq. ID	OJ990615_07.0103.C67
Gene No.	55093	Strand	-
Start	2742	End	2875
Name	OJ990615_07.0103.C67.o1.np	Method	AAT/NAP
Start	2742	End	2875
GI	4206306	Score	114

Exons	2742..2875		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	26599	Seq. ID	OJ990615_07.0103.C68
Gene No.	55094	Strand	+
Start	334	End	841
Name	OJ990615_07.0103.C68.o1.gs	Method	GENSCAN
Start	334	End	841
GI	none	Score	.57
Exons	334..453, 704..841		
Seq. No.	26600	Seq. ID	OJ990615_07.0103.C70
Gene No.	55095	Strand	+
Start	1	End	685
Name	OJ990615_07.0103.C70.o1.np	Method	AAT/NAP
Start	1	End	685
GI	4539660	Score	964
Exons	1..685		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		
Seq. No.	26600	Seq. ID	OJ990615_07.0103.C70
Gene No.	55095	Strand	+
Start	1	End	685
Name	OJ990615_07.0103.C70.o2.tm	Method	TBLASTX:Maize
Start	1	End	221
GI	none	Score	168
Exons	1..144, 1..120, 3..125, 122..217, 123..221		
Seq. No.	26600	Seq. ID	OJ990615_07.0103.C70
Gene No.	55095	Strand	+
Start	1	End	685
Name	OJ990615_07.0103.C70.o1.gs	Method	GENSCAN
Start	25	End	668
GI	none	Score	.42
Exons	25..120, 198..668		
Seq. No.	26600	Seq. ID	OJ990615_07.0103.C70
Gene No.	55095	Strand	+
Start	1	End	685
Name	OJ990615_07.0103.C70.o1.tw	Method	TBLASTX:Wheat
Start	144	End	685
GI	none	Score	616
Exons	144..683, 146..685		
Seq. No.	26600	Seq. ID	OJ990615_07.0103.C70
Gene No.	55095	Strand	+
Start	1	End	685
Name	OJ990615_07.0103.C70.o1.tm	Method	TBLASTX:Maize
Start	270	End	685
GI	none	Score	217
Exons	270..431, 278..424, 429..680, 431..685		
Seq. No.	26601	Seq. ID	OJ990615_07.0103.C73
Gene No.	55096	Strand	+
Start	1	End	664
Name	OJ990615_07.0103.C73.o1.np	Method	AAT/NAP
Start	1	End	664

GI	4680179	Score	953
Exons	1..664		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26601	Seq. ID	OJ990615_07.0103.C73
Gene No.	55096	Strand	+
Start	1	End	664
Name	OJ990615_07.0103.C73.o1.ts	Method	TBLASTX:Soybean
Start	4	End	217
GI	none	Score	258
Exons	4..216, 14..217		

Seq. No.	26601	Seq. ID	OJ990615_07.0103.C73
Gene No.	55096	Strand	+
Start	1	End	664
Name	OJ990615_07.0103.C73.o2.tw	Method	TBLASTX:Wheat
Start	4	End	169
GI	none	Score	270
Exons	4..168, 5..169		

Seq. No.	26601	Seq. ID	OJ990615_07.0103.C73
Gene No.	55096	Strand	+
Start	1	End	664
Name	OJ990615_07.0103.C73.o2.tm	Method	TBLASTX:Maize
Start	4	End	133
GI	none	Score	206
Exons	4..132, 5..133		

Seq. No.	26601	Seq. ID	OJ990615_07.0103.C73
Gene No.	55096	Strand	+
Start	1	End	664
Name	OJ990615_07.0103.C73.o1.gs	Method	GENSCAN
Start	110	End	475
GI	none	Score	.51
Exons	110..475		

Seq. No.	26601	Seq. ID	OJ990615_07.0103.C73
Gene No.	55096	Strand	+
Start	1	End	664
Name	OJ990615_07.0103.C73.o1.tm	Method	TBLASTX:Maize
Start	134	End	451
GI	none	Score	444
Exons	134..451, 141..215, 145..396, 146..445, 255..446		

Seq. No.	26601	Seq. ID	OJ990615_07.0103.C73
Gene No.	55096	Strand	+
Start	1	End	664
Name	OJ990615_07.0103.C73.o1.tw	Method	TBLASTX:Wheat
Start	176	End	664
GI	none	Score	328
Exons	176..460, 269..448, 367..471, 455..664, 459..662		

Seq. No.	26601	Seq. ID	OJ990615_07.0103.C73
Gene No.	55096	Strand	+
Start	1	End	664
Name	OJ990615_07.0103.C73.o3.tm	Method	TBLASTX:Maize
Start	458	End	661

GI	none	Score	193
Exons	458..661, 459..656		

Seq. No.	26602	Seq. ID	OJ990615_07.0103.C74
Gene No.	55097	Strand	-
Start	1	End	726
Name	OJ990615_07.0103.C74.o1.np	Method	AAT/NAP
Start	1	End	726
GI	5257279	Score	75
Exons	1..179, 605..726		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	26603	Seq. ID	OJ990615_07.0103.C75
Gene No.	55098	Strand	+
Start	1	End	5615
Name	OJ990615_07.0103.C75.o1.np	Method	AAT/NAP
Start	1	End	5362
GI	5852180	Score	432
Exons	1..67, 370..488, 540..590, 1055..1406, 5318..5362		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	26603	Seq. ID	OJ990615_07.0103.C75
Gene No.	55098	Strand	+
Start	1	End	5615
Name	OJ990615_07.0103.C75.o4.np	Method	AAT/NAP
Start	5181	End	5615
GI	4680185	Score	550
Exons	5181..5615		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26603	Seq. ID	OJ990615_07.0103.C75
Gene No.	55099	Strand	-
Start	1	End	5500
Name	OJ990615_07.0103.C75.o2.np	Method	AAT/NAP
Start	1	End	2642
GI	4680179	Score	330
Exons	1..77, 2233..2642		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26603	Seq. ID	OJ990615_07.0103.C75
Gene No.	55099	Strand	-
Start	1	End	5500
Name	OJ990615_07.0103.C75.o1.gp	Method	AAT/GAP
Start	70	End	135
GI	2428924	Score	68
Exons	70..135		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	26603	Seq. ID	OJ990615_07.0103.C75
Gene No.	55099	Strand	-
Start	1	End	5500
Name	OJ990615_07.0103.C75.o1.gs	Method	GENSCAN
Start	452	End	5500
GI	none	Score	.71
Exons	452..498, 1158..1298, 1670..1703, 2624..3069, 4171..4266,		

5068..5193, 5310..5500

Seq. No.	26603	Seq. ID	OJ990615_07.0103.C75
Gene No.	55099	Strand	-
Start	1	End	5500
Name	OJ990615_07.0103.C75.o1.tm	Method	TBLASTX:Maize
Start	610	End	1025
GI	none	Score	103
Exons	610..717, 611..718, 618..722, 619..723, 790..903, 790..900, 860..1024, 889..1011, 900..1025, 903..1025		

Seq. No.	26603	Seq. ID	OJ990615_07.0103.C75
Gene No.	55099	Strand	-
Start	1	End	5500
Name	OJ990615_07.0103.C75.o1.tw	Method	TBLASTX:Wheat
Start	2232	End	2600
GI	none	Score	65
Exons	2232..2345, 2233..2346, 2264..2359, 2391..2600, 2392..2544		

Seq. No.	26603	Seq. ID	OJ990615_07.0103.C75
Gene No.	55099	Strand	-
Start	1	End	5500
Name	OJ990615_07.0103.C75.o2.tm	Method	TBLASTX:Maize
Start	2283	End	2606
GI	none	Score	187
Exons	2283..2606		

Seq. No.	26603	Seq. ID	OJ990615_07.0103.C75
Gene No.	55099	Strand	-
Start	1	End	5500
Name	OJ990615_07.0103.C75.o2.gp	Method	AAT/GAP
Start	3958	End	4339
GI	uC-osflcyp033a04b1	Score	667
Exons	3958..4339		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26604	Seq. ID	OJ990615_07.0103.C76
Gene No.	55100	Strand	-
Start	260	End	2360
Name	OJ990615_07.0103.C76.o1.gs	Method	GENSCAN
Start	260	End	1704
GI	none	Score	.67
Exons	260..594, 633..1704		

Seq. No.	26604	Seq. ID	OJ990615_07.0103.C76
Gene No.	55100	Strand	-
Start	260	End	2360
Name	OJ990615_07.0103.C76.o1.np	Method	AAT/NAP
Start	263	End	2360
GI	4680179	Score	2009
Exons	263..1689, 2303..2360		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26604	Seq. ID	OJ990615_07.0103.C76
Gene No.	55100	Strand	-
Start	260	End	2360

Name	OJ990615_07.0103.C76.o3.tw	Method	TBLASTX:Wheat
Start	308	End	646
GI	none	Score	115
Exons	308..646, 372..644		

Seq. No.	26604	Seq. ID	OJ990615_07.0103.C76
Gene No.	55100	Strand	-
Start	260	End	2360
Name	OJ990615_07.0103.C76.o1.tm	Method	TBLASTX:Maize
Start	488	End	1071
GI	none	Score	76
Exons	488..658, 504..653, 655..912, 656..910, 910..1071, 917..1063		

Seq. No.	26604	Seq. ID	OJ990615_07.0103.C76
Gene No.	55100	Strand	-
Start	260	End	2360
Name	OJ990615_07.0103.C76.o1.tw	Method	TBLASTX:Wheat
Start	649	End	1251
GI	none	Score	275
Exons	649..1251, 656..1195		

Seq. No.	26604	Seq. ID	OJ990615_07.0103.C76
Gene No.	55100	Strand	-
Start	260	End	2360
Name	OJ990615_07.0103.C76.o2.tm	Method	TBLASTX:Maize
Start	1120	End	1411
GI	none	Score	208
Exons	1120..1410, 1124..1411		

Seq. No.	26604	Seq. ID	OJ990615_07.0103.C76
Gene No.	55100	Strand	-
Start	260	End	2360
Name	OJ990615_07.0103.C76.o1.ts	Method	TBLASTX:Soybean
Start	1210	End	1470
GI	none	Score	148
Exons	1210..1470, 1211..1465		

Seq. No.	26604	Seq. ID	OJ990615_07.0103.C76
Gene No.	55100	Strand	-
Start	260	End	2360
Name	OJ990615_07.0103.C76.o1.tc	Method	TBLASTX:Cress
Start	1234	End	1551
GI	none	Score	85
Exons	1234..1377, 1235..1375, 1378..1551		

Seq. No.	26604	Seq. ID	OJ990615_07.0103.C76
Gene No.	55100	Strand	-
Start	260	End	2360
Name	OJ990615_07.0103.C76.o2.tw	Method	TBLASTX:Wheat
Start	1258	End	1689
GI	none	Score	301
Exons	1258..1689, 1259..1687		

Seq. No.	26605	Seq. ID	OJ990615_07.0103.C77
Gene No.	55101	Strand	+
Start	273	End	380
Name	OJ990615_07.0103.C77.o1.gs	Method	GENSCAN

Start	273	End	380
GI	none	Score	.97
Exons	273..380		

Seq. No.	26606	Seq. ID	OJ990615_07.0103.C78
Gene No.	55102	Strand	+
Start	222	End	510
Name	OJ990615_07.0103.C78.o1.gp	Method	AAT/GAP
Start	222	End	510
GI	uC-osflm202101a08b1	Score	385
Exons	222..439, 464..510		
GI Descrip.	'3915023/sp|O22060|SPS1_CITUN 4.0e-60 SUCROSE-PHOSPHATE SYNTHASE 1 (UDP-GLUCOSE-FRUCTOSE-PHOSPHATE GLUCOSYLTRANSFERASE 1) >gi_2588888_dbj_BAA23213_ (AB005023) sucrose-phosphate synthase [Citrus unshiu]'		

Seq. No.	26606	Seq. ID	OJ990615_07.0103.C78
Gene No.	55103	Strand	-
Start	145	End	510
Name	OJ990615_07.0103.C78.o1.tm	Method	TBLASTX:Maize
Start	129	End	434
GI	none	Score	261
Exons	129..434, 153..428, 154..429		

Seq. No.	26606	Seq. ID	OJ990615_07.0103.C78
Gene No.	55103	Strand	-
Start	145	End	510
Name	OJ990615_07.0103.C78.o1.gs	Method	GENSCAN
Start	145	End	427
GI	none	Score	.58
Exons	145..427		

Seq. No.	26606	Seq. ID	OJ990615_07.0103.C78
Gene No.	55103	Strand	-
Start	145	End	510
Name	OJ990615_07.0103.C78.o1.np	Method	AAT/NAP
Start	154	End	510
GI	1854378	Score	281
Exons	154..510		
GI Descrip.	(AB001338) Sucrose-Phosphate Synthase [Saccharum officinarum]		

Seq. No.	26606	Seq. ID	OJ990615_07.0103.C78
Gene No.	55103	Strand	-
Start	145	End	510
Name	OJ990615_07.0103.C78.o1.tw	Method	TBLASTX:Wheat
Start	157	End	430
GI	none	Score	233
Exons	157..429, 165..428, 386..430		

Seq. No.	26606	Seq. ID	OJ990615_07.0103.C78
Gene No.	55103	Strand	-
Start	145	End	510
Name	OJ990615_07.0103.C78.o1.tc	Method	TBLASTX:Cress
Start	223	End	429
GI	none	Score	176
Exons	223..282, 307..429		

Seq. No.	26606	Seq. ID	OJ990615_07.0103.C78
Gene No.	55103	Strand	-
Start	145	End	510
Name	OJ990615_07.0103.C78.o1.ts	Method	TBLASTX:Soybean
Start	223	End	433
GI	none	Score	56
Exons	223..429, 389..433		

Seq. No.	26607	Seq. ID	OJ990615_07.0103.C84
Gene No.	55104	Strand	-
Start	1	End	955
Name	OJ990615_07.0103.C84.o1.np	Method	AAT/NAP
Start	1	End	955
GI	4512242	Score	289
Exons	1..257, 740..955		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	26607	Seq. ID	OJ990615_07.0103.C84
Gene No.	55104	Strand	-
Start	1	End	955
Name	OJ990615_07.0103.C84.o1.tw	Method	TBLASTX:Wheat
Start	2	End	238
GI	none	Score	45
Exons	2..73, 3..62, 94..237, 114..236, 116..238		

Seq. No.	26607	Seq. ID	OJ990615_07.0103.C84
Gene No.	55104	Strand	-
Start	1	End	955
Name	OJ990615_07.0103.C84.o1.gs	Method	GENSCAN
Start	126	End	654
GI	none	Score	.49
Exons	126..193, 648..654		

Seq. No.	26608	Seq. ID	OJ990615_07.0103.C86
Gene No.	55105	Strand	+
Start	1	End	674
Name	OJ990615_07.0103.C86.o1.np	Method	AAT/NAP
Start	1	End	674
GI	4680186	Score	335
Exons	1..93, 474..674		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26608	Seq. ID	OJ990615_07.0103.C86
Gene No.	55106	Strand	-
Start	226	End	607
Name	OJ990615_07.0103.C86.o1.gp	Method	AAT/GAP
Start	226	End	607
GI	uC-osflcyp033a04b1	Score	679
Exons	226..607		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26609	Seq. ID	OJ990615_07.0103.C87
Gene No.	55107	Strand	-
Start	58	End	177
Name	OJ990615_07.0103.C87.o1.gp	Method	AAT/GAP
Start	58	End	177

GI	none	Score	204
Exons	58..177		

Seq. No.	26610	Seq. ID	OJ990615_07.0103.C88
Gene No.	55108	Strand	+
Start	1438	End	2872
Name	OJ990615_07.0103.C88.o1.gs	Method	GENSCAN
Start	1438	End	2872
GI	none	Score	.63
Exons	1438..1586, 2758..2872		

Seq. No.	26610	Seq. ID	OJ990615_07.0103.C88
Gene No.	55109	Strand	-
Start	1282	End	1619
Name	OJ990615_07.0103.C88.o1.gp	Method	AAT/GAP
Start	1282	End	1619
GI	none	Score	643
Exons	1282..1619		

Seq. No.	26610	Seq. ID	OJ990615_07.0103.C88
Gene No.	55110	Strand	-
Start	4970	End	5365
Name	OJ990615_07.0103.C88.o1.np	Method	AAT/NAP
Start	4970	End	5365
GI	6539570	Score	81
Exons	4970..5043, 5170..5365		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	26610	Seq. ID	OJ990615_07.0103.C88
Gene No.	55111	Strand	-
Start	5514	End	6449
Name	OJ990615_07.0103.C88.o2.np	Method	AAT/NAP
Start	5514	End	6449
GI	6630699	Score	69
Exons	5514..5596, 6427..6449		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26610	Seq. ID	OJ990615_07.0103.C88
Gene No.	55111	Strand	-
Start	5514	End	6449
Name	OJ990615_07.0103.C88.o3.gs	Method	GENSCAN
Start	5989	End	6156
GI	none	Score	.95
Exons	5989..6156		

Seq. No.	26611	Seq. ID	OJ990615_07.0103.C89
Gene No.	55112	Strand	+
Start	50	End	143
Name	OJ990615_07.0103.C89.o1.gs	Method	GENSCAN
Start	50	End	143
GI	none	Score	.67
Exons	50..143		

Seq. No.	26611	Seq. ID	OJ990615_07.0103.C89
Gene No.	55113	Strand	-

Start	435	End	602
Name	OJ990615_07.0103.C89.o2.gs	Method	GENSCAN
Start	435	End	602
GI	none	Score	.79
Exons	435..602		

Seq. No.	26612	Seq. ID	OJ990615_07.0103.C92
Gene No.	55114	Strand	+
Start	1	End	2173
Name	OJ990615_07.0103.C92.o1.np	Method	AAT/NAP
Start	1	End	2173
GI	6289059	Score	1649
Exons	1..604, 699..808, 919..1050, 1226..1402, 1717..1770, 1862..1924, 2028..2173		
GI Descrip.	(AF194022) sucrose-6-phosphate synthase [Nicotiana tabacum]		

Seq. No.	26612	Seq. ID	OJ990615_07.0103.C92
Gene No.	55114	Strand	+
Start	1	End	2173
Name	OJ990615_07.0103.C92.o2.ts	Method	TBLASTX:Soybean
Start	36	End	270
GI	none	Score	217
Exons	36..269, 37..270, 44..265, 45..269		

Seq. No.	26612	Seq. ID	OJ990615_07.0103.C92
Gene No.	55114	Strand	+
Start	1	End	2173
Name	OJ990615_07.0103.C92.o2.tm	Method	TBLASTX:Maize
Start	139	End	385
GI	none	Score	279
Exons	139..384, 139..348, 144..377, 152..385		

Seq. No.	26612	Seq. ID	OJ990615_07.0103.C92
Gene No.	55114	Strand	+
Start	1	End	2173
Name	OJ990615_07.0103.C92.o1.gs	Method	GENSCAN
Start	187	End	2136
GI	none	Score	.65
Exons	187..600, 695..808, 919..1050, 1226..1402, 1862..1924, 2028..2136		

Seq. No.	26612	Seq. ID	OJ990615_07.0103.C92
Gene No.	55114	Strand	+
Start	1	End	2173
Name	OJ990615_07.0103.C92.o1.ts	Method	TBLASTX:Soybean
Start	279	End	2173
GI	none	Score	122
Exons	279..428, 279..401, 281..412, 307..429, 425..550, 428..460, 430..597, 430..549, 468..605, 509..613, 695..724, 698..757, 700..732, 758..823, 913..1026, 916..1050, 918..1049, 1174..1407, 1226..1408, 1714..1770, 1716..1769, 1859..1930, 1861..1929, 2025..2171, 2027..2173		

Seq. No.	26612	Seq. ID	OJ990615_07.0103.C92
Gene No.	55114	Strand	+
Start	1	End	2173
Name	OJ990615_07.0103.C92.o1.tm	Method	TBLASTX:Maize

Start	386	End	2091
GI	none	Score	82
Exons	386..457, 387..476, 388..480, 388..471, 483..605, 484..600, 486..602, 695..823, 696..743, 791..811, 918..1049, 919..1050, 1225..1407, 1226..1408, 1714..1770, 1716..1769, 1720..1785, 1851..1925, 1859..1930, 1861..1926, 2023..2091, 2025..2090, 2029..2091		

Seq. No.	26612	Seq. ID	OJ990615_07.0103.C92
Gene No.	55114	Strand	+
Start	1	End	2173
Name	OJ990615_07.0103.C92.o2.tw	Method	TBLASTX:Wheat
Start	773	End	1767
GI	none	Score	48
Exons	773..823, 891..1049, 909..1019, 916..1050, 1225..1398, 1226..1402, 1236..1403, 1236..1403, 1714..1767		

Seq. No.	26612	Seq. ID	OJ990615_07.0103.C92
Gene No.	55114	Strand	+
Start	1	End	2173
Name	OJ990615_07.0103.C92.o1.gp	Method	AAT/GAP
Start	1087	End	2105
GI	uC-osroM202035c08b1	Score	953
Exons	1087..1402, 1717..1770, 1862..1924, 2028..2105		
GI Descrip.	'3915019/sp|Q43845|SPS_SOLTU 4.0e-56 SUCROSE-PHOSPHATE SYNTHASE (UDP-GLUCOSE-FRUCTOSE-PHOSPHATE GLUCOSYLTRANSFERASE) >gi_421958_pir__S34172 sucrose-phosphate synthase (EC 2.4.1.14) - potato >gi_313265_emb_CAA51872_ (X73477) sucrose-phosphate synthase [Solanum tuberosum]'		

Seq. No.	26612	Seq. ID	OJ990615_07.0103.C92
Gene No.	55114	Strand	+
Start	1	End	2173
Name	OJ990615_07.0103.C92.o1.tc	Method	TBLASTX:Cress
Start	1301	End	2162
GI	none	Score	172
Exons	1301..1408, 1301..1393, 1303..1407, 1714..1770, 1716..1769, 1859..1930, 1861..1926, 2025..2141, 2028..2135, 2130..2162		

Seq. No.	26612	Seq. ID	OJ990615_07.0103.C92
Gene No.	55114	Strand	+
Start	1	End	2173
Name	OJ990615_07.0103.C92.o1.tw	Method	TBLASTX:Wheat
Start	1871	End	2172
GI	none	Score	80
Exons	1871..1930, 1873..1917, 2025..2171, 2025..2171, 2026..2172		

Seq. No.	26613	Seq. ID	OJ990615_07.0103.C93
Gene No.	55115	Strand	+
Start	1	End	129
Name	OJ990615_07.0103.C93.o1.np	Method	AAT/NAP
Start	1	End	127
GI	1351107	Score	131
Exons	1..127		
GI Descrip.	SUCROSE-PHOSPHATE SYNTHASE (UDP-GLUCOSE-FRUCTOSE-PHOSPHATE GLUCOSYLTRANSFERASE) gi|1361971|pir||S55253 sucrose-phosphate synthase - sugar beet gi|1488568|emb|CAA57500| (X81975)		

sucrose-phosphate synthase [Beta vulgaris]

Seq. No.	26613	Seq. ID	OJ990615_07.0103.C93
Gene No.	55115	Strand	+
Start	1	End	129
Name	OJ990615_07.0103.C93.o1.gp	Method	AAT/GAP
Start	1	End	129
GI	uC-osflm202101a08b1	Score	230
Exons	1..129		
GI Descrip.	'3915023/sp|O22060|SPS1_CITUN 4.0e-60 SUCROSE-PHOSPHATE SYNTHASE 1 (UDP-GLUCOSE-FRUCTOSE-PHOSPHATE GLUCOSYLTRANSFERASE 1) >gi_2588888_dbj_BAA23213_ (AB005023) sucrose-phosphate synthase [Citrus unshiu]'		

Seq. No.	26613	Seq. ID	OJ990615_07.0103.C93
Gene No.	55115	Strand	+
Start	1	End	129
Name	OJ990615_07.0103.C93.o1.tm	Method	TBLASTX:Maize
Start	2	End	128
GI	none	Score	195
Exons	2..127, 3..128		

Seq. No.	26614	Seq. ID	OJ990615_07.0103.C94
Gene No.	55116	Strand	-
Start	285	End	437
Name	OJ990615_07.0103.C94.o1.gs	Method	GENSCAN
Start	285	End	437
GI	none	Score	.65
Exons	285..437		

Seq. No.	26615	Seq. ID	OJ990615_07.0103.C96
Gene No.	55117	Strand	+
Start	205	End	332
Name	OJ990615_07.0103.C96.o1.gp	Method	AAT/GAP
Start	205	End	332
GI	LIB3477-003-P1-K1-E9	Score	167
Exons	205..332		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	26616	Seq. ID	OJ990615_07.0103.C97
Gene No.	55118	Strand	+
Start	588	End	910
Name	OJ990615_07.0103.C97.o1.gs	Method	GENSCAN
Start	588	End	910
GI	none	Score	.41
Exons	588..910		

Seq. No.	26616	Seq. ID	OJ990615_07.0103.C97
Gene No.	55119	Strand	-
Start	1	End	1089
Name	OJ990615_07.0103.C97.o1.np	Method	AAT/NAP
Start	1	End	1089
GI	6721512	Score	85
Exons	1..60, 208..390, 418..549, 1055..1089		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	26617	Seq. ID	OJ990615_07.0103.C98
Gene No.	55120	Strand	+
Start	53	End	1626
Name	OJ990615_07.0103.C98.o1.gs	Method	GENSCAN
Start	53	End	1602
GI	none	Score	.4
Exons	53..216, 529..1602		

Seq. No.	26617	Seq. ID	OJ990615_07.0103.C98
Gene No.	55120	Strand	+
Start	53	End	1626
Name	OJ990615_07.0103.C98.o1.np	Method	AAT/NAP
Start	105	End	1626
GI	5922631	Score	809
Exons	105..525, 568..741, 862..1626		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	26617	Seq. ID	OJ990615_07.0103.C98
Gene No.	55120	Strand	+
Start	53	End	1626
Name	OJ990615_07.0103.C98.o2.tw	Method	TBLASTX:Wheat
Start	106	End	464
GI	none	Score	60
Exons	106..150, 151..228, 162..212, 237..464, 272..442		

Seq. No.	26617	Seq. ID	OJ990615_07.0103.C98
Gene No.	55120	Strand	+
Start	53	End	1626
Name	OJ990615_07.0103.C98.o1.tw	Method	TBLASTX:Wheat
Start	1126	End	1581
GI	none	Score	128
Exons	1126..1308, 1134..1232, 1345..1581, 1347..1571		

Seq. No.	26618	Seq. ID	OJ990615_07.0103.C99
Gene No.	55121	Strand	+
Start	249	End	1954
Name	OJ990615_07.0103.C99.o1.tw	Method	TBLASTX:Wheat
Start	195	End	649
GI	none	Score	541
Exons	195..635, 203..649, 226..648		

Seq. No.	26618	Seq. ID	OJ990615_07.0103.C99
Gene No.	55121	Strand	+
Start	249	End	1954
Name	OJ990615_07.0103.C99.o2.ts	Method	TBLASTX:Soybean
Start	234	End	599
GI	none	Score	111
Exons	234..458, 465..599		

Seq. No.	26618	Seq. ID	OJ990615_07.0103.C99

Gene No.	55121	Strand	+
Start	249	End	1954
Name	OJ990615_07.0103.C99.o1.gs	Method	GENSCAN
Start	249	End	1554
GI	none	Score	.64
Exons	249..614, 875..1000, 1051..1554		

Seq. No.	26618	Seq. ID	OJ990615_07.0103.C99
Gene No.	55121	Strand	+
Start	249	End	1954
Name	OJ990615_07.0103.C99.o1.np	Method	AAT/NAP
Start	249	End	1954
GI	5902445	Score	1718
Exons	249..1954		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	26618	Seq. ID	OJ990615_07.0103.C99
Gene No.	55121	Strand	+
Start	249	End	1954
Name	OJ990615_07.0103.C99.o1.tm	Method	TBLASTX:Maize
Start	324	End	680
GI	none	Score	401
Exons	324..680, 386..679		

Seq. No.	26618	Seq. ID	OJ990615_07.0103.C99
Gene No.	55121	Strand	+
Start	249	End	1954
Name	OJ990615_07.0103.C99.o2.tm	Method	TBLASTX:Maize
Start	707	End	1080
GI	none	Score	293
Exons	707..1075, 862..1080		

Seq. No.	26618	Seq. ID	OJ990615_07.0103.C99
Gene No.	55121	Strand	+
Start	249	End	1954
Name	OJ990615_07.0103.C99.o2.tw	Method	TBLASTX:Wheat
Start	764	End	1187
GI	none	Score	355
Exons	764..1075, 862..1077, 1054..1185, 1071..1187		

Seq. No.	26618	Seq. ID	OJ990615_07.0103.C99
Gene No.	55121	Strand	+
Start	249	End	1954
Name	OJ990615_07.0103.C99.o1.ts	Method	TBLASTX:Soybean
Start	818	End	1242
GI	none	Score	193
Exons	818..1072, 862..1002, 1072..1242		

Seq. No.	26618	Seq. ID	OJ990615_07.0103.C99
Gene No.	55121	Strand	+
Start	249	End	1954
Name	OJ990615_07.0103.C99.o3.tw	Method	TBLASTX:Wheat
Start	1330	End	1737
GI	none	Score	179
Exons	1330..1551, 1395..1550, 1564..1737		

Seq. No.	26619	Seq. ID	OJ990615_07.0103.C100

Gene No.	55122	Strand	+
Start	1	End	3667
Name	OJ990615_07.0103.C100.o1.np	Method	AAT/NAP
Start	1	End	1673
GI	5902445	Score	1403
Exons	1..392, 432..1673		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	26619	Seq. ID	OJ990615_07.0103.C100
Gene No.	55122	Strand	+
Start	1	End	3667
Name	OJ990615_07.0103.C100.o1.gs	Method	GENSCAN
Start	295	End	3667
GI	none	Score	.88
Exons	295..1076, 1113..1412, 1464..1659, 2158..2274, 3241..3599, 3659..3667		

Seq. No.	26619	Seq. ID	OJ990615_07.0103.C100
Gene No.	55123	Strand	-
Start	2918	End	4578
Name	OJ990615_07.0103.C100.o1.tm	Method	TBLASTX:Maize
Start	552	End	857
GI	none	Score	317
Exons	552..857, 569..856		

Seq. No.	26619	Seq. ID	OJ990615_07.0103.C100
Gene No.	55123	Strand	-
Start	2918	End	4578
Name	OJ990615_07.0103.C100.o2.tw	Method	TBLASTX:Wheat
Start	552	End	935
GI	none	Score	349
Exons	552..935, 560..934		

Seq. No.	26619	Seq. ID	OJ990615_07.0103.C100
Gene No.	55123	Strand	-
Start	2918	End	4578
Name	OJ990615_07.0103.C100.o1.tw	Method	TBLASTX:Wheat
Start	1059	End	1651
GI	none	Score	252
Exons	1059..1343, 1091..1162, 1208..1315, 1383..1508, 1533..1646, 1538..1651		

Seq. No.	26619	Seq. ID	OJ990615_07.0103.C100
Gene No.	55123	Strand	-
Start	2918	End	4578
Name	OJ990615_07.0103.C100.o2.np	Method	AAT/NAP
Start	2918	End	4472
GI	5852178	Score	230
Exons	2918..3020, 3384..3480, 3512..3642, 4222..4262, 4347..4472		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	26619	Seq. ID	OJ990615_07.0103.C100
Gene No.	55123	Strand	-
Start	2918	End	4578
Name	OJ990615_07.0103.C100.o2.gs	Method	GENSCAN
Start	3803	End	4578
GI	none	Score	.8

Exons	3803..3843, 4304..4578		
Seq. No.	26620	Seq. ID	OJ990615_07.0103.C101
Gene No.	55124	Strand	+
Start	1	End	1974
Name	OJ990615_07.0103.C101.o1.np	Method	AAT/NAP
Start	1	End	1206
GI	6063554	Score	259
Exons	1..28, 369..397, 1033..1206		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	26620	Seq. ID	OJ990615_07.0103.C101
Gene No.	55124	Strand	+
Start	1	End	1974
Name	OJ990615_07.0103.C101.o1.gp	Method	AAT/GAP
Start	369	End	1845
GI	61605_1.R1084	Score	580
Exons	369..449, 1578..1845		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	26620	Seq. ID	OJ990615_07.0103.C101
Gene No.	55124	Strand	+
Start	1	End	1974
Name	OJ990615_07.0103.C101.o1.gs	Method	GENSCAN
Start	1054	End	1974
GI	none	Score	.61
Exons	1054..1066, 1683..1715, 1736..1974		
Seq. No.	26620	Seq. ID	OJ990615_07.0103.C101
Gene No.	55125	Strand	-
Start	3068	End	5544
Name	OJ990615_07.0103.C101.o2.gs	Method	GENSCAN
Start	3068	End	5544
GI	none	Score	.74
Exons	3068..3124, 3356..3565, 3701..3834, 3909..4087, 4247..4939, 5020..5078, 5216..5380, 5420..5544		
Seq. No.	26620	Seq. ID	OJ990615_07.0103.C101
Gene No.	55125	Strand	-
Start	3068	End	5544
Name	OJ990615_07.0103.C101.o2.np	Method	AAT/NAP
Start	4222	End	5425
GI	6721561	Score	953
Exons	4222..4939, 5020..5078, 5149..5425		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	26621	Seq. ID	OJ990615_07.0103.C102
Gene No.	55126	Strand	-
Start	1	End	1227
Name	OJ990615_07.0103.C102.o1.np	Method	AAT/NAP

Start	1	End	1227
GI	6721512	Score	110
Exons	1..166, 194..302, 1042..1227		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	26622	Seq. ID	OJ990615_07.0103.C103
Gene No.	55127	Strand	-
Start	404	End	544
Name	OJ990615_07.0103.C103.o1.gs	Method	GENSCAN
Start	404	End	544
GI	none	Score	.72
Exons	404..544		

Seq. No.	26623	Seq. ID	OJ990615_07.0103.C105
Gene No.	55128	Strand	+
Start	140	End	299
Name	OJ990615_07.0103.C105.o1.gp	Method	AAT/GAP
Start	140	End	299
GI	none	Score	312
Exons	140..299		

Seq. No.	26624	Seq. ID	OJ990615_07.0103.C106
Gene No.	55129	Strand	+
Start	103	End	222
Name	OJ990615_07.0103.C106.o1.gs	Method	GENSCAN
Start	103	End	222
GI	none	Score	.96
Exons	103..222		

Seq. No.	26625	Seq. ID	OJ990615_07.0103.C107
Gene No.	55130	Strand	+
Start	36	End	505
Name	OJ990615_07.0103.C107.o1.gs	Method	GENSCAN
Start	36	End	505
GI	none	Score	.73
Exons	36..266, 356..505		

Seq. No.	26626	Seq. ID	OJ990615_07.0103.C109
Gene No.	55131	Strand	+
Start	453	End	1179
Name	OJ990615_07.0103.C109.o1.gs	Method	GENSCAN
Start	453	End	1179
GI	none	Score	.96
Exons	453..791, 1063..1179		

Seq. No.	26627	Seq. ID	OJ990615_07.0103.C112
Gene No.	55132	Strand	+
Start	307	End	599
Name	OJ990615_07.0103.C112.o1.gs	Method	GENSCAN
Start	307	End	599
GI	none	Score	.72
Exons	307..599		

Seq. No.	26628	Seq. ID	OJ990615_07.0103.C113
Gene No.	55133	Strand	-
Start	1	End	683
Name	OJ990615_07.0103.C113.o1.np	Method	AAT/NAP

Start	1	End	683
GI	4680179	Score	740
Exons	1..683		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26628	Seq. ID	OJ990615_07.0103.C113
Gene No.	55133	Strand	-
Start	1	End	683
Name	OJ990615_07.0103.C113.o1.tm	Method	TBLASTX:Maize
Start	3	End	413
GI	none	Score	67
Exons	3..143, 8..409, 155..322, 171..413		

Seq. No.	26628	Seq. ID	OJ990615_07.0103.C113
Gene No.	55133	Strand	-
Start	1	End	683
Name	OJ990615_07.0103.C113.o1.gs	Method	GENSCAN
Start	21	End	321
GI	none	Score	.42
Exons	21..321		

Seq. No.	26628	Seq. ID	OJ990615_07.0103.C113
Gene No.	55133	Strand	-
Start	1	End	683
Name	OJ990615_07.0103.C113.o1.tw	Method	TBLASTX:Wheat
Start	29	End	482
GI	none	Score	301
Exons	29..478, 39..482		

Seq. No.	26628	Seq. ID	OJ990615_07.0103.C113
Gene No.	55133	Strand	-
Start	1	End	683
Name	OJ990615_07.0103.C113.o1.tc	Method	TBLASTX:Cress
Start	32	End	349
GI	none	Score	180
Exons	32..349		

Seq. No.	26628	Seq. ID	OJ990615_07.0103.C113
Gene No.	55133	Strand	-
Start	1	End	683
Name	OJ990615_07.0103.C113.o1.ts	Method	TBLASTX:Soybean
Start	128	End	442
GI	none	Score	184
Exons	128..442		

Seq. No.	26629	Seq. ID	OJ990615_07.0103.C114
Gene No.	55134	Strand	-
Start	63	End	183
Name	OJ990615_07.0103.C114.o1.gs	Method	GENSCAN
Start	63	End	183
GI	none	Score	.57
Exons	63..183		

Seq. No.	26630	Seq. ID	OJ991215_14.0211.C2
Gene No.	55135	Strand	+
Start	653	End	722
Name	OJ991215_14.0211.C2.o1.gs	Method	GENSCAN

Start	653	End	722
GI	none	Score	.99
Exons	653..722		

Seq. No.	26630	Seq. ID	OJ991215_14.0211.C2
Gene No.	55136	Strand	-
Start	1027	End	2409
Name	OJ991215_14.0211.C2.o2.gs	Method	GENSCAN
Start	1027	End	2148
GI	none	Score	.9
Exons	1027..1617, 2101..2148		

Seq. No.	26630	Seq. ID	OJ991215_14.0211.C2
Gene No.	55136	Strand	-
Start	1027	End	2409
Name	OJ991215_14.0211.C2.o1.np	Method	AAT/NAP
Start	1043	End	2409
GI	4680191	Score	60
Exons	1043..1132, 2046..2098, 2358..2409		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55137	Strand	+
Start	398	End	1867
Name	OJ991215_14.0211.C3.o1.gs	Method	GENSCAN
Start	398	End	1867
GI	none	Score	.42
Exons	398..817, 1806..1867		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55138	Strand	+
Start	13556	End	16858
Name	OJ991215_14.0211.C3.o2.np	Method	AAT/NAP
Start	13553	End	16858
GI	2586083	Score	1342
Exons	13553..14077, 14153..14781, 14857..15355, 15497..16388, 16485..16858		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55138	Strand	+
Start	13556	End	16858
Name	OJ991215_14.0211.C3.o3.gs	Method	GENSCAN
Start	13556	End	16849
GI	none	Score	.82
Exons	13556..16388, 16485..16849		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55139	Strand	+
Start	18679	End	19445
Name	OJ991215_14.0211.C3.o4.np	Method	AAT/NAP
Start	18044	End	19445
GI	3738339	Score	171
Exons	18044..18209, 18914..19072, 19292..19445		
GI Descrip.	(AC005170) putative LRR receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55139	Strand	+
Start	18679	End	19445
Name	OJ991215_14.0211.C3.o3.np	Method	AAT/NAP
Start	18640	End	19445
GI	6522592	Score	352
Exons	18640..19445		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55139	Strand	+
Start	18679	End	19445
Name	OJ991215_14.0211.C3.o4.gs	Method	GENSCAN
Start	18679	End	19435
GI	none	Score	1
Exons	18679..19435		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55140	Strand	-
Start	3276	End	4870
Name	OJ991215_14.0211.C3.o1.np	Method	AAT/NAP
Start	3276	End	4870
GI	2129753	Score	1830
Exons	3276..4870		
GI Descrip.	threonine synthase (EC 4.2.99.2) precursor - Arabidopsis thaliana (fragment) gi|1448917 (L41666) threonine synthase [Arabidopsis thaliana]		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55141	Strand	-
Start	6883	End	8170
Name	OJ991215_14.0211.C3.o4.tc	Method	TBLASTX:Cress
Start	344	End	911
GI	none	Score	180
Exons	344..523, 346..555, 361..555, 763..843, 764..841, 843..911		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55141	Strand	-
Start	6883	End	8170
Name	OJ991215_14.0211.C3.o3.ts	Method	TBLASTX:Soybean
Start	352	End	924
GI	none	Score	183
Exons	352..555, 353..523, 390..569, 558..605, 763..843, 764..841, 765..842, 766..879, 829..855, 842..907, 843..911, 850..924		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55141	Strand	-
Start	6883	End	8170
Name	OJ991215_14.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	3273	End	4007
GI	none	Score	684
Exons	3273..4007, 3274..4005, 3687..4007		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55141	Strand	-

Start	6883	End	8170
Name	OJ991215_14.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	3279	End	3888
GI	none	Score	95
Exons	3279..3392, 3280..3363, 3282..3365, 3393..3887, 3393..3887, 3394..3888		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55141	Strand	-
Start	6883	End	8170
Name	OJ991215_14.0211.C3.o1.tc	Method	TBLASTX:Cress
Start	3288	End	4576
GI	none	Score	421
Exons	3288..4034, 3297..4046, 3310..4044, 4044..4208, 4046..4207, 4202..4306, 4209..4316, 4307..4576, 4308..4544, 4316..4555		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55141	Strand	-
Start	6883	End	8170
Name	OJ991215_14.0211.C3.o1.ts	Method	TBLASTX:Soybean
Start	3288	End	4690
GI	none	Score	71
Exons	3288..4046, 3290..3451, 3307..4044, 3710..4072, 4044..4190, 4046..4207, 4202..4306, 4209..4307, 4220..4330, 4316..4576, 4323..4544, 4643..4690		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55141	Strand	-
Start	6883	End	8170
Name	OJ991215_14.0211.C3.o4.tm	Method	TBLASTX:Maize
Start	4008	End	4279
GI	none	Score	56
Exons	4008..4046, 4010..4054, 4044..4277, 4046..4279, 4217..4279		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55141	Strand	-
Start	6883	End	8170
Name	OJ991215_14.0211.C3.o2.tm	Method	TBLASTX:Maize
Start	4280	End	4822
GI	none	Score	423
Exons	4280..4684, 4280..4579, 4605..4718, 4619..4690, 4778..4822		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55141	Strand	-
Start	6883	End	8170
Name	OJ991215_14.0211.C3.o1.gp	Method	AAT/GAP
Start	6883	End	8170
GI	uC-osf1cyp023b02b1	Score	894
Exons	6883..7143, 7252..7328, 7399..7457, 7962..8035, 8124..8170		
GI Descrip.	'2499987/sp|P96386|PTH_MYCTU 5.0e-16 PEPTIDYL-TRNA HYDROLASE (PTH) >gi_1870014_emb_CAB06865_ (Z92539) pth [Mycobacterium tuberculosis]'		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55141	Strand	-
Start	6883	End	8170
Name	OJ991215_14.0211.C3.o6.tm	Method	TBLASTX:Maize

Start	7234	End	7456
GI	none	Score	128
Exons	7234..7329, 7250..7330, 7394..7456, 7395..7454, 7399..7455		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55142	Strand	
Start	13652	End	19443
Name	OJ991215_14.0211.C3.o3.tc	Method	TBLASTX:Cress
Start	13652	End	18897
GI	none	Score	73
Exons	13652..13765, 15839..16324, 16322..16387, 16484..16588, 16715..16831, 18763..18825, 18835..18897		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55142	Strand	
Start	13652	End	19443
Name	OJ991215_14.0211.C3.o5.tm	Method	TBLASTX:Maize
Start	13784	End	19443
GI	none	Score	73
Exons	13784..13909, 13799..13918, 14000..14125, 14000..14125, 14141..14344, 14147..14350, 14153..14344, 14153..14344, 14162..14344, 14168..14326, 14177..14350, 14225..14347, 14360..14779, 14360..14788, 14363..14608, 14378..14788, 14381..14758, 14435..14779, 14524..14778, 14596..14709, 14858..14998, 14858..15001, 14867..15004, 14873..14998, 14888..15028, 14999..15154, 15104..15352, 15155..15352, 15161..15352, 15185..15355, 15308..15565, 15350..15565, 15356..15472, 15356..15565, 15362..15568, 15455..15568, 18901..19242, 18922..19062, 19000..19236, 19105..19248, 19252..19443, 19252..19428		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55142	Strand	
Start	13652	End	19443
Name	OJ991215_14.0211.C3.o2.ts	Method	TBLASTX:Soybean
Start	13790	End	19443
GI	none	Score	73
Exons	13790..13909, 13799..13909, 14000..14125, 14000..14146, 14006..14344, 14006..14140, 14011..14139, 14015..14125, 14015..14125, 14048..14344, 14135..14344, 14147..14350, 14150..14779, 14248..14271, 14360..14779, 14360..14779, 14372..14782, 14396..14779, 14401..14706, 14402..14788, 14444..14788, 14452..14646, 14453..14779, 14486..14599, 14668..14778, 14858..14926, 14858..14998, 14858..14998, 14873..14998, 14879..14998, 14879..14998, 14890..15000, 14912..15025, 14996..15163, 15002..15151, 15020..15157, 15029..15154, 15155..15352, 15158..15355, 15161..15355, 15227..15352, 15350..15628, 15350..15565, 15353..15568, 15356..15565, 15383..15568, 15383..15571, 15440..15565, 16007..16132, 16033..16320, 16169..16387, 16484..16615, 18886..19158, 18901..19245, 18922..19149, 18925..19227, 18928..19233, 18985..19227, 18994..19236, 19006..19149, 19036..19242, 19132..19242, 19237..19443, 19255..19443, 19255..19428		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55142	Strand	

Start	13652	End	19443
Name	OJ991215_14.0211.C3.o2.tc	Method	TBLASTX:Cress
Start	13799	End	19443
GI	none	Score	83
Exons	13799..13918, 13799..13915, 14006..14305, 14006..14125, 14006..14131, 14015..14140, 14117..14350, 14273..14347, 14294..14419, 14360..14494, 14381..14707, 14417..14578, 14435..14491, 14459..14779, 14507..14635, 14524..14778, 14579..14722, 14861..14941, 14863..14949, 14864..14932, 14888..14998, 14927..15004, 14938..14997, 14942..15001, 15012..15071, 15014..15154, 15014..15154, 15155..15352, 15155..15286, 15156..15344, 15158..15349, 15163..15357, 15212..15280, 15227..15352, 15336..15452, 15352..15399, 15356..15571, 15358..15468, 15359..15508, 15371..15568, 15379..15492, 15388..15570, 15418..15537, 15419..15568, 15440..15607, 15457..15591, 15467..15610, 18898..19161, 18985..19239, 18994..19098, 19021..19158, 19099..19233, 19123..19227, 19162..19227, 19240..19443, 19318..19443		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55142	Strand	
Start	13652	End	19443
Name	OJ991215_14.0211.C3.o3.tw	Method	TBLASTX:Wheat
Start	13974	End	19443
GI	none	Score	43
Exons	13974..14039, 14000..14146, 14006..14122, 14147..14341, 14207..14347, 14624..14776, 14642..14779, 14861..15025, 15002..15064, 15155..15277, 15284..15355, 15301..15354, 15410..15634, 15476..15565, 18994..19158, 19000..19152, 19093..19248, 19252..19443		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55142	Strand	
Start	13652	End	19443
Name	OJ991215_14.0211.C3.o3.tm	Method	TBLASTX:Maize
Start	15833	End	16585
GI	none	Score	192
Exons	15833..16147, 16169..16387, 16483..16578, 16484..16585		

Seq. No.	26631	Seq. ID	OJ991215_14.0211.C3
Gene No.	55142	Strand	
Start	13652	End	19443
Name	OJ991215_14.0211.C3.o2.tw	Method	TBLASTX:Wheat
Start	15985	End	16294
GI	none	Score	217
Exons	15985..16140, 15986..16294, 16019..16294		

Seq. No.	26632	Seq. ID	OJ991215_14.0211.C4
Gene No.	55143	Strand	+
Start	1	End	1253
Name	OJ991215_14.0211.C4.o1.np	Method	AAT/NAP
Start	1	End	1253
GI	2586083	Score	731
Exons	1..1253		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	26632	Seq. ID	OJ991215_14.0211.C4

Gene No.	55143	Strand	+
Start	1	End	1253
Name	OJ991215_14.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	681
GI	none	Score	163
Exons	1..246, 4..258, 4..225, 7..258, 7..585, 57..245, 64..678, 187..678, 313..657, 351..680, 352..681, 450..680		

Seq. No.	26632	Seq. ID	OJ991215_14.0211.C4
Gene No.	55143	Strand	+
Start	1	End	1253
Name	OJ991215_14.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	1	End	747
GI	none	Score	110
Exons	1..246, 4..534, 7..606, 13..747, 78..224, 345..473, 366..623, 400..741, 498..746		

Seq. No.	26632	Seq. ID	OJ991215_14.0211.C4
Gene No.	55143	Strand	+
Start	1	End	1253
Name	OJ991215_14.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	4	End	740
GI	none	Score	172
Exons	4..246, 4..246, 42..395, 43..174, 46..207, 49..396, 118..246, 136..258, 313..606, 334..462, 348..479, 352..687, 387..560, 403..537, 406..558, 409..684, 426..740, 546..707, 547..714, 571..678, 583..711		

Seq. No.	26632	Seq. ID	OJ991215_14.0211.C4
Gene No.	55143	Strand	+
Start	1	End	1253
Name	OJ991215_14.0211.C4.o1.gs	Method	GENSCAN
Start	94	End	1146
GI	none	Score	.6
Exons	94..685, 848..1146		

Seq. No.	26632	Seq. ID	OJ991215_14.0211.C4
Gene No.	55143	Strand	+
Start	1	End	1253
Name	OJ991215_14.0211.C4.o2.tc	Method	TBLASTX:Cress
Start	928	End	1224
GI	none	Score	178
Exons	928..1224		

Seq. No.	26632	Seq. ID	OJ991215_14.0211.C4
Gene No.	55143	Strand	+
Start	1	End	1253
Name	OJ991215_14.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	931	End	1194
GI	none	Score	115
Exons	931..1182, 936..1163, 937..1194, 1050..1193		

Seq. No.	26632	Seq. ID	OJ991215_14.0211.C4
Gene No.	55143	Strand	+
Start	1	End	1253
Name	OJ991215_14.0211.C4.o2.ts	Method	TBLASTX:Soybean
Start	946	End	1233

GI	none	Score	201
Exons	946..1185, 950..1078, 1137..1184, 1171..1233		

Seq. No.	26633	Seq. ID	OJ991215_14.0211.C5
Gene No.	55144	Strand	-
Start	727	End	995
Name	OJ991215_14.0211.C5.o1.gp	Method	AAT/GAP
Start	727	End	995
GI	3760500	Score	507
Exons	727..995		

Seq. No.	26634	Seq. ID	OJ991215_14.0211.C6
Gene No.	55145	Strand	-
Start	1225	End	1887
Name	OJ991215_14.0211.C6.o1.gs	Method	GENSCAN
Start	1225	End	1647
GI	none	Score	.76
Exons	1225..1647		

Seq. No.	26634	Seq. ID	OJ991215_14.0211.C6
Gene No.	55145	Strand	-
Start	1225	End	1887
Name	OJ991215_14.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	1300	End	1850
GI	none	Score	58
Exons	1300..1389, 1301..1399, 1444..1635, 1445..1636, 1461..1637, 1462..1644, 1705..1779, 1712..1810, 1724..1846, 1725..1850		

Seq. No.	26634	Seq. ID	OJ991215_14.0211.C6
Gene No.	55145	Strand	-
Start	1225	End	1887
Name	OJ991215_14.0211.C6.o1.np	Method	AAT/NAP
Start	1531	End	1887
GI	5523858	Score	102
Exons	1531..1640, 1723..1887		
GI Descrip.	(AF085167) receptor-like kinase ARK1AS [Hordeum vulgare]		

Seq. No.	26635	Seq. ID	OJ991215_14.0211.C7
Gene No.	55146	Strand	+
Start	5	End	286
Name	OJ991215_14.0211.C7.o1.gs	Method	GENSCAN
Start	5	End	286
GI	none	Score	.57
Exons	5..286		

Seq. No.	26636	Seq. ID	OJ991215_14.0211.C9
Gene No.	55147	Strand	+
Start	1452	End	2512
Name	OJ991215_14.0211.C9.o1.gs	Method	GENSCAN
Start	1452	End	2512
GI	none	Score	.45
Exons	1452..1757, 2130..2206, 2365..2512		

Seq. No.	26637	Seq. ID	OJ991215_14.0211.C10
Gene No.	55148	Strand	+
Start	2744	End	3283
Name	OJ991215_14.0211.C10.o1.np	Method	AAT/NAP

Start	2744	End	3283
GI	6539585	Score	150
Exons	2744..2915, 3212..3283		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	26638	Seq. ID	OJ991215_14.0211.C11
Gene No.	55149	Strand	-
Start	1245	End	2284
Name	OJ991215_14.0211.C11.o1.gs	Method	GENSCAN
Start	1245	End	2077
GI	none	Score	.59
Exons	1245..1527, 2037..2077		

Seq. No.	26638	Seq. ID	OJ991215_14.0211.C11
Gene No.	55149	Strand	-
Start	1245	End	2284
Name	OJ991215_14.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	1919	End	2284
GI	none	Score	184
Exons	1919..2284		

Seq. No.	26639	Seq. ID	OJ991215_14.0211.C12
Gene No.	55150	Strand	+
Start	2605	End	6999
Name	OJ991215_14.0211.C12.o1.np	Method	AAT/NAP
Start	2605	End	6999
GI	119713	Score	115
Exons	2605..2634, 4452..4680, 6578..6808, 6845..6999		
GI Descrip.	EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN) gi|21627|emb|CAA39485| (X56010) hydroxyproline-rich glycoprotein [Sorghum bicolor]		

Seq. No.	26639	Seq. ID	OJ991215_14.0211.C12
Gene No.	55150	Strand	+
Start	2605	End	6999
Name	OJ991215_14.0211.C12.o2.gs	Method	GENSCAN
Start	3410	End	5512
GI	none	Score	.41
Exons	3410..3464, 4216..4853, 5243..5512		

Seq. No.	26639	Seq. ID	OJ991215_14.0211.C12
Gene No.	55151	Strand	+
Start	7107	End	7320
Name	OJ991215_14.0211.C12.o2.gp	Method	AAT/GAP
Start	6992	End	7258
GI	2310236	Score	490
Exons	6992..7258		

Seq. No.	26639	Seq. ID	OJ991215_14.0211.C12
Gene No.	55151	Strand	+
Start	7107	End	7320
Name	OJ991215_14.0211.C12.o3.gs	Method	GENSCAN
Start	7107	End	7320
GI	none	Score	.93
Exons	7107..7320		

Seq. No.	26639	Seq. ID	OJ991215_14.0211.C12

Gene No.	55152	Strand	-
Start	1729	End	2517
Name	OJ991215_14.0211.C12.o1.gs	Method	GENSCAN
Start	1729	End	2517
GI	none	Score	.95
Exons	1729..1883, 2042..2119, 2442..2517		

Seq. No.	26640	Seq. ID	OJ991215_14.0211.C13
Gene No.	55153	Strand	+
Start	1	End	1398
Name	OJ991215_14.0211.C13.o1.gp	Method	AAT/GAP
Start	1	End	414
GI	uC-osroM202001b04a1	Score	809
Exons	1..414		
GI Descrip.	'3868857/dbj|BAA34250| 3.0e-36 (AB013886) RAV1 [Arabidopsis thaliana]'		

Seq. No.	26640	Seq. ID	OJ991215_14.0211.C13
Gene No.	55153	Strand	+
Start	1	End	1398
Name	OJ991215_14.0211.C13.o1.np	Method	AAT/NAP
Start	1	End	1398
GI	3868857	Score	416
Exons	1..512, 1211..1398		
GI Descrip.	(AB013886) RAV1 [Arabidopsis thaliana]		

Seq. No.	26640	Seq. ID	OJ991215_14.0211.C13
Gene No.	55153	Strand	+
Start	1	End	1398
Name	OJ991215_14.0211.C13.o1.gs	Method	GENSCAN
Start	68	End	733
GI	none	Score	.88
Exons	68..733		

Seq. No.	26640	Seq. ID	OJ991215_14.0211.C13
Gene No.	55154	Strand	-
Start	537	End	973
Name	OJ991215_14.0211.C13.o2.gp	Method	AAT/GAP
Start	537	End	973
GI	54197_1.R1084	Score	860
Exons	537..973		
GI Descrip.	'5103807/gb|AAD39637.1|AC007591_2 2.0e-37 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	26640	Seq. ID	OJ991215_14.0211.C13
Gene No.	55155	Strand	-
Start	2229	End	2374
Name	OJ991215_14.0211.C13.o1.tc	Method	TBLASTX:Cress
Start	3	End	472
GI	none	Score	76
Exons	3..59, 194..283, 196..282, 286..462, 287..472		

Seq. No.	26640	Seq. ID	OJ991215_14.0211.C13
Gene No.	55155	Strand	-
Start	2229	End	2374

Name	OJ991215_14.0211.C13.o1.ts	Method	TBLASTX:Soybean
Start	175	End	622
GI	none	Score	149
Exons	175..282, 188..283, 205..303, 308..472, 311..433, 313..456, 479..517, 563..622		

Seq. No.	26640	Seq. ID	OJ991215_14.0211.C13
Gene No.	55155	Strand	-
Start	2229	End	2374
Name	OJ991215_14.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	286	End	727
GI	none	Score	151
Exons	286..441, 286..345, 290..484, 338..433, 340..483, 476..520, 481..519, 563..625, 566..625, 614..667, 639..668, 682..726, 683..727		

Seq. No.	26640	Seq. ID	OJ991215_14.0211.C13
Gene No.	55155	Strand	-
Start	2229	End	2374
Name	OJ991215_14.0211.C13.o2.gs	Method	GENSCAN
Start	2229	End	2374
GI	none	Score	.63
Exons	2229..2374		

Seq. No.	26641	Seq. ID	OJ991215_14.0211.C15
Gene No.	55156	Strand	+
Start	5116	End	5523
Name	OJ991215_14.0211.C15.o2.gp	Method	AAT/GAP
Start	5116	End	5523
GI	5771042	Score	711
Exons	5116..5523		
GI Descrip.	5103807/gb|AAD39637.1|AC007591_2 2.0e-37 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]		

Seq. No.	26641	Seq. ID	OJ991215_14.0211.C15
Gene No.	55157	Strand	-
Start	5311	End	5504
Name	OJ991215_14.0211.C15.o2.gs	Method	GENSCAN
Start	5311	End	5504
GI	none	Score	.64
Exons	5311..5504		

Seq. No.	26642	Seq. ID	OJ991215_14.0211.C16
Gene No.	55158	Strand	+
Start	1969	End	2577
Name	OJ991215_14.0211.C16.o1.gs	Method	GENSCAN
Start	1969	End	2577
GI	none	Score	.61
Exons	1969..2095, 2183..2216, 2409..2577		

Seq. No.	26642	Seq. ID	OJ991215_14.0211.C16
Gene No.	55159	Strand	+
Start	3314	End	3748
Name	OJ991215_14.0211.C16.o2.gs	Method	GENSCAN
Start	3314	End	3748

GI	none	Score	.54
Exons	3314..3748		

Seq. No.	26642	Seq. ID	OJ991215_14.0211.C16
Gene No.	55160	Strand	-
Start	1	End	364
Name	OJ991215_14.0211.C16.o1.gp	Method	AAT/GAP
Start	1	End	364
GI	2310357	Score	293
Exons	1..59, 257..364		

Seq. No.	26642	Seq. ID	OJ991215_14.0211.C16
Gene No.	55161	Strand	-
Start	5304	End	5771
Name	OJ991215_14.0211.C16.o1.np	Method	AAT/NAP
Start	5289	End	5771
GI	5430765	Score	272
Exons	5289..5771		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	26642	Seq. ID	OJ991215_14.0211.C16
Gene No.	55161	Strand	-
Start	5304	End	5771
Name	OJ991215_14.0211.C16.o3.gs	Method	GENSCAN
Start	5304	End	5723
GI	none	Score	.99
Exons	5304..5723		

Seq. No.	26643	Seq. ID	OJ991215_14.0211.C17
Gene No.	55162	Strand	+
Start	1	End	9737
Name	OJ991215_14.0211.C17.o1.np	Method	AAT/NAP
Start	1	End	9737
GI	2924445	Score	158
Exons	1..151, 1722..1795, 4246..4502, 5317..5487, 9496..9737		
GI Descrip.	(AL022022) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	26643	Seq. ID	OJ991215_14.0211.C17
Gene No.	55162	Strand	+
Start	1	End	9737
Name	OJ991215_14.0211.C17.o2.gs	Method	GENSCAN
Start	6774	End	8665
GI	none	Score	.53
Exons	6774..6978, 8376..8454, 8557..8665		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55163	Strand	+
Start	2458	End	6212
Name	OJ991215_14.0211.C18.o1.np	Method	AAT/NAP
Start	2458	End	6061
GI	6692739	Score	265
Exons	2458..3000, 3611..3776, 5498..5593, 5668..5820, 5930..6061		
GI Descrip.	(AC012679) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55163	Strand	+

Start	2458	End	6212
Name	OJ991215_14.0211.C18.o1.gp	Method	AAT/GAP
Start	2478	End	6212
GI	67501_1.R1084	Score	957
Exons	2478..2568, 3714..3767, 5498..5593, 5668..5820, 5930..6212		
GI Descrip.	'4335719/gb|AAD17397| 5.0e-22 (AC006248) putative RING-H2 finger protein RHG1a [Arabidopsis thaliana]'		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55163	Strand	+
Start	2458	End	6212
Name	OJ991215_14.0211.C18.o1.gs	Method	GENSCAN
Start	2499	End	6061
GI	none	Score	.65
Exons	2499..2996, 3591..3767, 5498..5593, 5668..5820, 5864..6061		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55164	Strand	-
Start	6526	End	11182
Name	OJ991215_14.0211.C18.o1.tm	Method	TBLASTX:Maize
Start	3714	End	6194
GI	none	Score	88
Exons	3714..3773, 5495..5602, 5497..5595, 5502..5603, 5665..5772, 5665..5772, 5667..5774, 5770..5820, 5772..5816, 5888..6103, 5918..6073, 5932..6078, 6162..6194		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55164	Strand	-
Start	6526	End	11182
Name	OJ991215_14.0211.C18.o2.gs	Method	GENSCAN
Start	6526	End	11182
GI	none	Score	.84
Exons	6526..6621, 6995..7095, 7714..7785, 8182..8313, 8715..8817, 8913..9611, 10665..10756, 10789..11182		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55164	Strand	-
Start	6526	End	11182
Name	OJ991215_14.0211.C18.o3.tm	Method	TBLASTX:Maize
Start	6853	End	7112
GI	none	Score	39
Exons	6853..6879, 6885..6923, 6886..6930, 6995..7099, 6996..7112		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55164	Strand	-
Start	6526	End	11182
Name	OJ991215_14.0211.C18.o2.ts	Method	TBLASTX:Soybean
Start	6870	End	7784
GI	none	Score	46
Exons	6870..6923, 6886..6924, 6984..7100, 6998..7096, 7110..7127, 7606..7650, 7620..7646, 7646..7783, 7650..7784		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55164	Strand	-
Start	6526	End	11182
Name	OJ991215_14.0211.C18.o1.tc	Method	TBLASTX:Cress
Start	6873	End	7748

GI	none	Score	46
Exons	6873..6923, 6874..6924, 6984..7100, 6993..7079, 6998..7096, 7620..7646, 7646..7747, 7650..7748		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55164	Strand	-
Start	6526	End	11182
Name	OJ991215_14.0211.C18.o2.np	Method	AAT/NAP
Start	7605	End	11094
GI	5103806	Score	1192
Exons	7605..7785, 8182..8352, 8428..8523, 8715..8817, 8913..9611, 10665..10742, 10832..11094		
GI Descrip.	(AC007591) EST gb|F14271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55164	Strand	-
Start	6526	End	11182
Name	OJ991215_14.0211.C18.o2.tm	Method	TBLASTX:Maize
Start	8247	End	8782
GI	none	Score	144
Exons	8247..8357, 8247..8342, 8249..8356, 8430..8525, 8432..8533, 8436..8534, 8465..8557, 8713..8778, 8713..8781, 8714..8782, 8714..8782		

Seq. No.	26644	Seq. ID	OJ991215_14.0211.C18
Gene No.	55164	Strand	-
Start	6526	End	11182
Name	OJ991215_14.0211.C18.o1.ts	Method	TBLASTX:Soybean
Start	8737	End	10734
GI	none	Score	83
Exons	8737..8820, 8904..9101, 8910..9323, 8911..9312, 9508..9609, 9525..9614, 9666..9683, 10653..10733, 10669..10734		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55165	Strand	+
Start	365	End	1236
Name	OJ991215_14.0211.C19.o1.gs	Method	GENSCAN
Start	365	End	1236
GI	none	Score	.48
Exons	365..497, 673..1236		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55166	Strand	+
Start	4396	End	4958
Name	OJ991215_14.0211.C19.o2.gp	Method	AAT/GAP
Start	4396	End	4958
GI	none	Score	1078
Exons	4396..4958		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55167	Strand	+
Start	7640	End	10617
Name	OJ991215_14.0211.C19.o3.gs	Method	GENSCAN
Start	7640	End	10617
GI	none	Score	.69
Exons	7640..7975, 8053..8340, 8346..8521, 9046..9153, 9697..10123,		

10240..10617

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55167	Strand	+
Start	7640	End	10617
Name	OJ991215_14.0211.C19.o1.np	Method	AAT/NAP
Start	7649	End	8418
GI	2190992	Score	586
Exons	7649..7975, 8053..8418		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55167	Strand	+
Start	7640	End	10617
Name	OJ991215_14.0211.C19.o2.np	Method	AAT/NAP
Start	9800	End	10605
GI	2190992	Score	633
Exons	9800..10130, 10247..10605		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55168	Strand	+
Start	10995	End	11340
Name	OJ991215_14.0211.C19.o4.gs	Method	GENSCAN
Start	10995	End	11340
GI	none	Score	.83
Exons	10995..11139, 11276..11340		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55169	Strand	+
Start	13128	End	13625
Name	OJ991215_14.0211.C19.o5.gs	Method	GENSCAN
Start	13128	End	13625
GI	none	Score	.89
Exons	13128..13625		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o1.gp	Method	AAT/GAP
Start	1889	End	2514
GI	12340_1.R1084	Score	1153
Exons	1889..2514		
GI Descrip.	'418548/sp|P32698|YJBQ_ECOLI 7.0e-16 HYPOTHETICAL 15.7 KD PROTEIN IN APHA-UVRA INTERGENIC REGION (O138) >gi_396391 (U00006) No definition line found [Escherichia coli] >gi_1790491 (AE000479) orf, hypothetical protein [Escherichia coli]'		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o2.gs	Method	GENSCAN
Start	2106	End	7045
GI	none	Score	.55
Exons	2106..3872, 4019..4192, 4700..5453, 5584..5629, 6185..6287, 6733..6921, 6923..7045		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o2.ts	Method	TBLASTX:Soybean
Start	2808	End	3290
GI	none	Score	88
Exons	2808..3062, 2809..3048, 3201..3290		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o2.tm	Method	TBLASTX:Maize
Start	3015	End	3470
GI	none	Score	64
Exons	3015..3062, 3016..3066, 3174..3341, 3196..3282, 3414..3470		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o3.gp	Method	AAT/GAP
Start	5014	End	5272
GI	none	Score	499
Exons	5014..5272		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o3.np	Method	AAT/NAP
Start	6328	End	17894
GI	6753754	Score	140
Exons	6328..6361, 6889..7039, 9788..9817, 10257..10522, 13377..13512, 15374..15488, 17811..17894		
GI Descrip.	enabled homolog (Drosophila) gi|1644461 (U72523) neural variant mena+++ protein [Mus musculus]		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o1.tm	Method	TBLASTX:Maize
Start	7682	End	10642
GI	none	Score	320
Exons	7682..7912, 7684..7905, 7796..7912, 7910..7972, 7910..7972, 7912..7974, 8064..8171, 8064..8420, 8065..8421, 8113..8421, 9812..9877, 9813..9878, 9815..10117, 9835..10026, 9950..10033, 10236..10607, 10237..10365, 10321..10608, 10421..10444, 10444..10608, 10541..10642		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o1.tc	Method	TBLASTX:Cress
Start	7685	End	10117
GI	none	Score	232
Exons	7685..7900, 7796..7891, 7903..7971, 7904..7972, 9815..10033, 10091..10117		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19

Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o1.ts	Method	TBLASTX:Soybean
Start	7690	End	10593
GI	none	Score	231
Exons	7690..7884, 7691..7888, 7910..7978, 7912..7977, 8077..8190, 8170..8391, 9818..10033, 10444..10593		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o1.tw	Method	TBLASTX:Wheat
Start	7693	End	10428
GI	none	Score	256
Exons	7693..7905, 7694..7912, 7892..7972, 7904..7972, 8064..8186, 8065..8256, 8128..8241, 9844..10023, 9845..10033, 9950..10033, 10091..10129, 10236..10373, 10237..10365, 10312..10428		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o2.tc	Method	TBLASTX:Cress
Start	8095	End	10560
GI	none	Score	188
Exons	8095..8379, 10237..10368, 10462..10560		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o3.tm	Method	TBLASTX:Maize
Start	16991	End	17272
GI	none	Score	62
Exons	16991..17023, 17028..17075, 17030..17074, 17058..17150, 17061..17156, 17062..17160, 17063..17173, 17065..17160, 17153..17185, 17160..17183, 17160..17192, 17183..17272, 17185..17271		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o2.tw	Method	TBLASTX:Wheat
Start	17009	End	17280
GI	none	Score	81
Exons	17009..17083, 17010..17063, 17011..17064, 17107..17157, 17108..17179, 17141..17179, 17152..17181, 17182..17268, 17185..17280, 17186..17272		

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o4.gp	Method	AAT/GAP
Start	17010	End	17271
GI	60137_1.R1084	Score	487
Exons	17010..17271		
GI Descrip.	'1143511/emb|CAA87385| 6.0e-87 (Z47076) Ser/Thr protein phosphatase homologous to PPX [Malus domestica] >gi_1586034_prf__2202340A Ser/Thr protein phosphatase [Malus		

domestica]'

Seq. No.	26645	Seq. ID	OJ991215_14.0211.C19
Gene No.	55170	Strand	-
Start	2106	End	17894
Name	OJ991215_14.0211.C19.o4.np	Method	AAT/NAP
Start	17191	End	17894
GI	5734785	Score	116
Exons	17191..17271, 17811..17894		
GI Descrip.	(AC007980) phosphoprotein phosphatase [Arabidopsis thaliana]		

Seq. No.	26646	Seq. ID	OJ991215_14.0211.C21
Gene No.	55171	Strand	-
Start	64	End	144
Name	OJ991215_14.0211.C21.o1.gs	Method	GENSCAN
Start	64	End	144
GI	none	Score	.98
Exons	64..144		

Seq. No.	26647	Seq. ID	OJ991115_14.0222.C1
Gene No.	55172	Strand	-
Start	323	End	1494
Name	OJ991115_14.0222.C1.o1.gs	Method	GENSCAN
Start	323	End	1494
GI	none	Score	.78
Exons	323..493, 592..764, 1314..1494		

Seq. No.	26647	Seq. ID	OJ991115_14.0222.C1
Gene No.	55173	Strand	-
Start	2746	End	3370
Name	OJ991115_14.0222.C1.o1.np	Method	AAT/NAP
Start	2746	End	3370
GI	6069657	Score	53
Exons	2746..2852, 3166..3370		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2
Gene No.	55174	Strand	+
Start	516	End	5966
Name	OJ991115_14.0222.C2.o1.gs	Method	GENSCAN
Start	516	End	5958
GI	none	Score	.92
Exons	516..1062, 1258..1431, 1506..1606, 2715..2874, 3727..3903, 3994..4155, 4351..4402, 4514..4628, 4703..4784, 4977..5072, 5166..5267, 5351..5467, 5585..5701, 5887..5958		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2
Gene No.	55174	Strand	+
Start	516	End	5966
Name	OJ991115_14.0222.C2.o1.gp	Method	AAT/GAP
Start	2652	End	4102
GI	45413_1.R1084	Score	860
Exons	2652..2874, 3727..3903, 3994..4102		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2

Gene No.	55174	Strand	+
Start	516	End	5966
Name	OJ991115_14.0222.C2.o1.np	Method	AAT/NAP
Start	2776	End	5958
GI	3482918	Score	1637
Exons	2776..2874, 3727..3903, 3994..4236, 4351..4402, 4514..4628, 4703..4784, 4977..5072, 5166..5267, 5351..5467, 5585..5701, 5887..5958		
GI Descrip.	(AC003970) Similar to ATP-citrate-lyase [Arabidopsis thaliana]		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2
Gene No.	55174	Strand	+
Start	516	End	5966
Name	OJ991115_14.0222.C2.o2.gp	Method	AAT/GAP
Start	5247	End	5966
GI	uC-osflcyp159g01b1	Score	571
Exons	5247..5267, 5351..5467, 5585..5701, 5887..5966		
GI Descrip.	'3482918 6.0e-39 (AC003970) Similar to ATP-citrate-lyase [Arabidopsis thaliana]'		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2
Gene No.	55175	Strand	-
Start	8013	End	8330
Name	OJ991115_14.0222.C2.o1.tc	Method	TBLASTX:Cress
Start	2782	End	5227
GI	none	Score	113
Exons	2782..2874, 3724..3906, 3738..3908, 3984..4211, 3985..4227, 3991..4230, 3993..4229, 4512..4643, 4513..4629, 4667..4795, 4686..4796, 4974..5075, 4974..5069, 4975..5070, 4976..5074, 5165..5227, 5166..5225		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2
Gene No.	55175	Strand	-
Start	8013	End	8330
Name	OJ991115_14.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	2782	End	5981
GI	none	Score	120
Exons	2782..2874, 3724..3906, 3724..3903, 3729..3908, 3985..4179, 3991..4239, 3993..4268, 4512..4643, 4513..4629, 4667..4795, 4686..4796, 4974..5075, 4976..5077, 4976..5074, 5165..5251, 5165..5275, 5166..5276, 5337..5468, 5344..5409, 5344..5469, 5345..5479, 5345..5479, 5582..5704, 5582..5701, 5593..5703, 5766..5786, 5841..5861, 5881..5958, 5886..5981, 5886..5954		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2
Gene No.	55175	Strand	-
Start	8013	End	8330
Name	OJ991115_14.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	2782	End	5972
GI	none	Score	147
Exons	2782..2874, 3724..3906, 3724..3903, 3725..3904, 3726..3908, 3982..4236, 3993..4238, 3993..4235, 4327..4398, 4341..4403, 4350..4397, 4498..4629, 4511..4630, 4512..4631, 4667..4783, 4686..4796, 4702..4797, 4974..5075, 4974..5072, 4976..5074, 5165..5275, 5166..5282, 5170..5283, 5205..5282, 5345..5479, 5348..5467, 5353..5478, 5582..5704, 5583..5702, 5590..5703, 5881..5952, 5886..5972		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2
Gene No.	55175	Strand	-
Start	8013	End	8330
Name	OJ991115_14.0222.C2.o1.tw	Method	TBLASTX:Wheat
Start	3786	End	4233
GI	none	Score	117
Exons	3786..3896, 3787..3906, 3789..3908, 3982..4233, 3993..4232		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2
Gene No.	55175	Strand	-
Start	8013	End	8330
Name	OJ991115_14.0222.C2.o2.tw	Method	TBLASTX:Wheat
Start	4327	End	4727
GI	none	Score	66
Exons	4327..4407, 4353..4400, 4498..4629, 4512..4643, 4701..4727		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2
Gene No.	55175	Strand	-
Start	8013	End	8330
Name	OJ991115_14.0222.C2.o2.tc	Method	TBLASTX:Cress
Start	5228	End	5967
GI	none	Score	134
Exons	5228..5266, 5366..5479, 5386..5478, 5582..5704, 5582..5701, 5593..5703, 5841..5861, 5881..5967, 5886..5957		

Seq. No.	26648	Seq. ID	OJ991115_14.0222.C2
Gene No.	55175	Strand	-
Start	8013	End	8330
Name	OJ991115_14.0222.C2.o2.gs	Method	GENSCAN
Start	8013	End	8330
GI	none	Score	.48
Exons	8013..8330		

Seq. No.	26649	Seq. ID	OJ991115_14.0222.C3
Gene No.	55176	Strand	+
Start	361	End	5790
Name	OJ991115_14.0222.C3.o1.gs	Method	GENSCAN
Start	361	End	5790
GI	none	Score	.92
Exons	361..417, 688..728, 2583..2686, 3025..3479, 3568..4537, 4744..5088, 5171..5790		

Seq. No.	26649	Seq. ID	OJ991115_14.0222.C3
Gene No.	55176	Strand	+
Start	361	End	5790
Name	OJ991115_14.0222.C3.o1.np	Method	AAT/NAP
Start	2979	End	5769
GI	6573772	Score	881
Exons	2979..3083, 3165..3359, 3393..3479, 3568..3849, 4063..4200, 4240..4541, 4646..4743, 4777..5088, 5171..5769		
GI Descrip.	(AC009243) F28K19.27 [Arabidopsis thaliana]		

Seq. No.	26649	Seq. ID	OJ991115_14.0222.C3
Gene No.	55176	Strand	+
Start	361	End	5790
Name	OJ991115_14.0222.C3.o3.tc	Method	TBLASTX:Cress

Start	3164	End	3657
GI	none	Score	170
Exons	3164..3355, 3168..3356, 3408..3482, 3570..3656, 3571..3657		

Seq. No.	26649	Seq. ID	OJ991115_14.0222.C3
Gene No.	55176	Strand	+
Start	361	End	5790
Name	OJ991115_14.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	3165	End	5760
GI	none	Score	166
Exons	3165..3356, 3302..3355, 3408..3482, 3570..3734, 3571..3741, 3775..4098, 3798..3848, 3918..4085, 4153..4197, 4342..4422, 4740..4808, 4800..5087, 4901..5086, 4971..5090, 5170..5304, 5176..5238, 5217..5288, 5302..5388, 5494..5565, 5587..5760		

Seq. No.	26649	Seq. ID	OJ991115_14.0222.C3
Gene No.	55176	Strand	+
Start	361	End	5790
Name	OJ991115_14.0222.C3.o2.tm	Method	TBLASTX:Maize
Start	3297	End	3873
GI	none	Score	89
Exons	3297..3356, 3302..3355, 3408..3479, 3567..3734, 3568..3741, 3796..3873		

Seq. No.	26649	Seq. ID	OJ991115_14.0222.C3
Gene No.	55176	Strand	+
Start	361	End	5790
Name	OJ991115_14.0222.C3.o1.tc	Method	TBLASTX:Cress
Start	3660	End	4422
GI	none	Score	90
Exons	3660..3758, 3664..3762, 3796..4098, 3798..3848, 3918..4085, 4153..4173, 4216..4329, 4342..4422		

Seq. No.	26649	Seq. ID	OJ991115_14.0222.C3
Gene No.	55176	Strand	+
Start	361	End	5790
Name	OJ991115_14.0222.C3.o3.tm	Method	TBLASTX:Maize
Start	3883	End	4089
GI	none	Score	307
Exons	3883..4089, 3906..4088		

Seq. No.	26649	Seq. ID	OJ991115_14.0222.C3
Gene No.	55176	Strand	+
Start	361	End	5790
Name	OJ991115_14.0222.C3.o2.tc	Method	TBLASTX:Cress
Start	4773	End	5718
GI	none	Score	264
Exons	4773..5087, 4901..5086, 5170..5244, 5251..5304, 5317..5373, 5497..5565, 5590..5718		

Seq. No.	26649	Seq. ID	OJ991115_14.0222.C3
Gene No.	55176	Strand	+
Start	361	End	5790
Name	OJ991115_14.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	4958	End	5556
GI	none	Score	181
Exons	4958..5086, 4959..5087, 4974..5090, 5166..5360, 5169..5288,		

5170..5388, 5359..5427, 5431..5556

Seq. No.	26650	Seq. ID	OJ991115_14.0222.C4
Gene No.	55177	Strand	+
Start	2306	End	5206
Name	OJ991115_14.0222.C4.o1.gs	Method	GENSCAN
Start	2306	End	5206
GI	none	Score	.73
Exons	2306..2434, 2881..2960, 2997..3192, 3274..3385, 3485..3593, 4052..4123, 5203..5206		

Seq. No.	26650	Seq. ID	OJ991115_14.0222.C4
Gene No.	55177	Strand	+
Start	2306	End	5206
Name	OJ991115_14.0222.C4.o1.np	Method	AAT/NAP
Start	2306	End	3201
GI	5902448	Score	858
Exons	2306..3201		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	26650	Seq. ID	OJ991115_14.0222.C4
Gene No.	55178	Strand	+
Start	9222	End	12940
Name	OJ991115_14.0222.C4.o2.np	Method	AAT/NAP
Start	9222	End	12940
GI	4678284	Score	63
Exons	9222..9340, 9421..9517, 12879..12940		
GI Descrip.	(AL049660) putative protein [Arabidopsis thaliana]		

Seq. No.	26650	Seq. ID	OJ991115_14.0222.C4
Gene No.	55178	Strand	+
Start	9222	End	12940
Name	OJ991115_14.0222.C4.o3.np	Method	AAT/NAP
Start	9993	End	10849
GI	4835791	Score	156
Exons	9993..10124, 10514..10644, 10754..10849		
GI Descrip.	(AC007296) Strong similarity to gb|Z70314 heat-shock protein from Arabidopsis thaliana and is a member of the PF|00012 Hsp70 protein family.		

Seq. No.	26650	Seq. ID	OJ991115_14.0222.C4
Gene No.	55178	Strand	+
Start	9222	End	12940
Name	OJ991115_14.0222.C4.o1.gp	Method	AAT/GAP
Start	10029	End	10939
GI	3762887	Score	751
Exons	10029..10124, 10514..10645, 10754..10939		
GI Descrip.	4835791/gb|AAD30257.1|AC007296_18 4.0e-13 (AC007296) Strong similarity to gb_Z70314 heat-shock protein from Arabidopsis thaliana and is a member of the PF_00012 Hsp70 protein family		

Seq. No.	26650	Seq. ID	OJ991115_14.0222.C4
Gene No.	55179	Strand	-
Start	7837	End	12035
Name	OJ991115_14.0222.C4.o2.gs	Method	GENSCAN
Start	7837	End	12035
GI	none	Score	.6

Exons	7837..8139, 8153..8440, 9260..9335, 11980..12035		
Seq. No.	26650	Seq. ID	OJ991115_14.0222.C4
Gene No.	55180	Strand	-
Start	13334	End	13525
Name	OJ991115_14.0222.C4.o1.tw	Method	TBLASTX:Wheat
Start	1003	End	1368
GI	none	Score	99
Exons	1003..1173, 1005..1172, 1181..1351, 1342..1368		
Seq. No.	26650	Seq. ID	OJ991115_14.0222.C4
Gene No.	55180	Strand	-
Start	13334	End	13525
Name	OJ991115_14.0222.C4.o2.tm	Method	TBLASTX:Maize
Start	1110	End	1480
GI	none	Score	77
Exons	1110..1166, 1223..1351, 1342..1479, 1349..1480		
Seq. No.	26650	Seq. ID	OJ991115_14.0222.C4
Gene No.	55180	Strand	-
Start	13334	End	13525
Name	OJ991115_14.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	9988	End	11081
GI	none	Score	120
Exons	9988..10125, 9994..10125, 10002..10133, 10477..10626, 10514..10630, 10736..10864, 10755..10853, 10759..10860, 10859..10999, 10890..10976, 10945..10995, 11027..11062, 11028..11081		
Seq. No.	26650	Seq. ID	OJ991115_14.0222.C4
Gene No.	55180	Strand	-
Start	13334	End	13525
Name	OJ991115_14.0222.C4.o3.gs	Method	GENSCAN
Start	13334	End	13525
GI	none	Score	.65
Exons	13334..13525		
Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55181	Strand	+
Start	12257	End	16706
Name	OJ991115_14.0222.C5.o3.np	Method	AAT/NAP
Start	12257	End	16706
GI	6862956	Score	1151
Exons	12257..12295, 14866..16448, 16658..16706		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55181	Strand	+
Start	12257	End	16706
Name	OJ991115_14.0222.C5.o5.gs	Method	GENSCAN
Start	13021	End	14260
GI	none	Score	.93
Exons	13021..13047, 13158..13315, 13393..13687, 13772..13831, 13910..14260		
Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55182	Strand	-

Start	3503	End	3772
Name	OJ991115_14.0222.C5.o2.gs	Method	GENSCAN
Start	3503	End	3772
GI	none	Score	.98
Exons	3503..3772		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55183	Strand	-
Start	4597	End	8628
Name	OJ991115_14.0222.C5.o3.gs	Method	GENSCAN
Start	4597	End	8417
GI	none	Score	.82
Exons	4597..4880, 5033..5187, 6178..6301, 6435..7541, 7661..7905, 8034..8185, 8301..8417		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55183	Strand	-
Start	4597	End	8628
Name	OJ991115_14.0222.C5.o1.np	Method	AAT/NAP
Start	6174	End	8628
GI	1621461	Score	1160
Exons	6174..6301, 6435..7541, 7661..7905, 8034..8206, 8554..8628		
GI Descrip.	(U73103) laccase [Liriodendron tulipifera]		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55184	Strand	-
Start	9367	End	12440
Name	OJ991115_14.0222.C5.o4.gs	Method	GENSCAN
Start	9367	End	11829
GI	none	Score	.65
Exons	9367..9588, 10643..10765, 11516..11611, 11725..11829		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55184	Strand	-
Start	9367	End	12440
Name	OJ991115_14.0222.C5.o1.gp	Method	AAT/GAP
Start	9821	End	11397
GI	none	Score	782
Exons	9821..10032, 10643..10765, 11304..11397		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55184	Strand	-
Start	9367	End	12440
Name	OJ991115_14.0222.C5.o2.np	Method	AAT/NAP
Start	10460	End	12216
GI	974553	Score	35
Exons	10460..10534, 10617..10729, 12194..12216		
GI Descrip.	(U29591) carboxypeptidase precursor [Drosophila melanogaster]		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55184	Strand	-
Start	9367	End	12440
Name	OJ991115_14.0222.C5.o2.gp	Method	AAT/GAP
Start	11959	End	12440
GI	uC-osroM202016c04b1	Score	916
Exons	11959..12440		
GI Descrip.	'6002785/gb|AF149809.1|AF149809 6.0e-10 Oryza sativa		

circumsporozoite protein precursor homolog gene, partial cds'

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55185	Strand	-
Start	14578	End	16305
Name	OJ991115_14.0222.C5.o3.gp	Method	AAT/GAP
Start	14578	End	16305
GI	LIB3433-045-P1-K1-G12	Score	943
Exons	14578..14782, 16016..16305		
GI Descrip.	'4581181/gb|AAD24664.1|AC006220_20 6.0e-20 (AC006220) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o4.tm	Method	TBLASTX:Maize
Start	6175	End	6843
GI	none	Score	129
Exons	6175..6303, 6201..6311, 6433..6612, 6434..6613, 6646..6681, 6724..6843		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o2.ts	Method	TBLASTX:Soybean
Start	6252	End	7050
GI	none	Score	46
Exons	6252..6299, 6255..6332, 6436..6612, 6437..6646, 6595..6720, 6622..6690, 6724..6888, 6907..7050		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o3.ts	Method	TBLASTX:Soybean
Start	7198	End	7512
GI	none	Score	136
Exons	7198..7512, 7232..7489		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o2.tw	Method	TBLASTX:Wheat
Start	7219	End	7425
GI	none	Score	149
Exons	7219..7425, 7219..7416		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o6.tm	Method	TBLASTX:Maize
Start	7232	End	7546
GI	none	Score	160
Exons	7232..7546, 7234..7542		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325

Name	OJ991115_14.0222.C5.o1.tw	Method	TBLASTX:Wheat
Start	7653	End	7905
GI	none	Score	161
Exons	7653..7904, 7660..7881, 7770..7904, 7777..7905		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o3.tm	Method	TBLASTX:Maize
Start	7653	End	8110
GI	none	Score	240
Exons	7653..7922, 7663..7932, 8033..8110		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o1.tc	Method	TBLASTX:Cress
Start	7660	End	8185
GI	none	Score	193
Exons	7660..7905, 7689..7922, 8033..8185, 8034..8168		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	7680	End	8185
GI	none	Score	195
Exons	7680..7922, 7684..7905, 7773..7907, 8033..8122, 8097..8171, 8111..8185		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o2.tm	Method	TBLASTX:Maize
Start	10451	End	10766
GI	none	Score	130
Exons	10451..10549, 10455..10556, 10456..10554, 10643..10765, 10644..10766, 10644..10766		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	15412	End	15781
GI	none	Score	324
Exons	15412..15771, 15413..15781		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o2.tc	Method	TBLASTX:Cress
Start	16070	End	16294
GI	none	Score	226
Exons	16070..16294, 16081..16293		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-

Start	16550	End	18325
Name	OJ991115_14.0222.C5.o4.ts	Method	TBLASTX:Soybean
Start	16070	End	16249
GI	none	Score	195
Exons	16070..16249, 16075..16242		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o5.tm	Method	TBLASTX:Maize
Start	16073	End	16389
GI	none	Score	194
Exons	16073..16285, 16075..16263, 16305..16388, 16306..16389		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o7.gs	Method	GENSCAN
Start	16550	End	18325
GI	none	Score	.59
Exons	16550..16703, 17428..17620, 18151..18325		

Seq. No.	26651	Seq. ID	OJ991115_14.0222.C5
Gene No.	55186	Strand	-
Start	16550	End	18325
Name	OJ991115_14.0222.C5.o4.gp	Method	AAT/GAP
Start	17171	End	17738
GI	26680_1.R1084	Score	806
Exons	17171..17331, 17428..17738		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 3.0e-30 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55187	Strand	+
Start	712	End	4013
Name	OJ991115_14.0222.C6.o1.gs	Method	GENSCAN
Start	712	End	4013
GI	none	Score	.99
Exons	712..1973, 2069..4013		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55187	Strand	+
Start	712	End	4013
Name	OJ991115_14.0222.C6.o1.np	Method	AAT/NAP
Start	712	End	4010
GI	5803259	Score	5005
Exons	712..1973, 2069..2231, 2274..4010		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55188	Strand	+
Start	10871	End	11790
Name	OJ991115_14.0222.C6.o3.np	Method	AAT/NAP
Start	10871	End	11790
GI	5922623	Score	173
Exons	10871..10944, 11362..11514, 11682..11790		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o2.gs	Method	GENSCAN
Start	4638	End	8303
GI	none	Score	.99
Exons	4638..8303		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o2.np	Method	AAT/NAP
Start	4641	End	10287
GI	6498441	Score	6946
Exons	4641..4922, 5016..6413, 6585..6967, 7160..7500, 7675..7809, 7993..8366, 8430..8893, 9224..10287		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o7.tw	Method	TBLASTX:Wheat
Start	4650	End	5252
GI	none	Score	73
Exons	4650..4775, 4654..4776, 4968..5252, 4969..5112, 5149..5247, 5177..5248		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o4.tw	Method	TBLASTX:Wheat
Start	5253	End	5634
GI	none	Score	169
Exons	5253..5633, 5284..5532, 5292..5633, 5578..5634		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o2.tm	Method	TBLASTX:Maize
Start	5409	End	5771
GI	none	Score	204
Exons	5409..5456, 5448..5771, 5461..5742		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o8.tw	Method	TBLASTX:Wheat
Start	5964	End	6276
GI	none	Score	67
Exons	5964..6224, 6100..6276		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6

Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o2.ts	Method	TBLASTX:Soybean
Start	6024	End	6590
GI	5666795	Score	68
Exons	6024..6224, 6279..6416, 6492..6590		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o5.tw	Method	TBLASTX:Wheat
Start	6279	End	9739
GI	none	Score	88
Exons	6279..6428, 6280..6417, 6282..6419, 6463..6648, 6489..6698, 6489..6713, 9686..9739		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o3.tw	Method	TBLASTX:Wheat
Start	6822	End	9009
GI	none	Score	175
Exons	6822..6875, 8550..9008, 8554..8814, 8872..9009		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	7338	End	7709
GI	none	Score	90
Exons	7338..7709, 7549..7692		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o2.tw	Method	TBLASTX:Wheat
Start	7368	End	7788
GI	none	Score	311
Exons	7368..7787, 7375..7788		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o3.tm	Method	TBLASTX:Maize
Start	7461	End	7845
GI	none	Score	229
Exons	7461..7844, 7480..7845		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	7872	End	8228
GI	none	Score	127
Exons	7872..8177, 7872..8228, 7882..8193		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o1.tw	Method	TBLASTX:Wheat
Start	7896	End	8359
GI	none	Score	226
Exons	7896..8357, 7902..8357, 7903..8358, 7916..8359		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o3.ts	Method	TBLASTX:Soybean
Start	7953	End	8318
GI	none	Score	117
Exons	7953..8087, 8094..8318		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o3.gs	Method	GENSCAN
Start	8367	End	11427
GI	none	Score	.68
Exons	8367..9535, 9707..10811, 10904..11039, 11315..11427		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o6.tw	Method	TBLASTX:Wheat
Start	9747	End	10139
GI	none	Score	95
Exons	9747..10004, 9781..10020, 9987..10085, 9988..10080, 10092..10139		

Seq. No.	26652	Seq. ID	OJ991115_14.0222.C6
Gene No.	55189	Strand	-
Start	4638	End	11427
Name	OJ991115_14.0222.C6.o4.tm	Method	TBLASTX:Maize
Start	9849	End	10134
GI	none	Score	107
Exons	9849..10097, 9850..10134		

Seq. No.	26653	Seq. ID	OJ991115_14.0222.C7
Gene No.	55190	Strand	+
Start	1721	End	1843
Name	OJ991115_14.0222.C7.o1.gp	Method	AAT/GAP
Start	1721	End	1843
GI	5816509	Score	213
Exons	1721..1843		
GI Descrip.	5922603/dbj|AP000492.1|AP000492 3.0e-30 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		

Seq. No.	26653	Seq. ID	OJ991115_14.0222.C7
Gene No.	55191	Strand	-
Start	2124	End	7255
Name	OJ991115_14.0222.C7.o2.gp	Method	AAT/GAP
Start	2124	End	5871
GI	5816509	Score	834
Exons	2124..2303, 2325..2435, 3897..3952, 5759..5871		

GI Descrip.	5922603/dbj|AP000492.1|AP000492 3.0e-30 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		
Seq. No.	26653	Seq. ID	OJ991115_14.0222.C7
Gene No.	55191	Strand	-
Start	2124	End	7255
Name	OJ991115_14.0222.C7.o1.gs	Method	GENSCAN
Start	5591	End	7255
GI	none	Score	.72
Exons	5591..5736, 5759..5814, 5947..6409, 6447..6569, 7231..7255		
Seq. No.	26653	Seq. ID	OJ991115_14.0222.C7
Gene No.	55192	Strand	-
Start	8820	End	12333
Name	OJ991115_14.0222.C7.o2.gs	Method	GENSCAN
Start	8820	End	12333
GI	none	Score	.73
Exons	8820..9797, 9967..10118, 10401..10836, 10921..12333		
Seq. No.	26654	Seq. ID	OJ991115_14.0222.C8
Gene No.	55193	Strand	+
Start	1348	End	5697
Name	OJ991115_14.0222.C8.o2.gs	Method	GENSCAN
Start	1348	End	5697
GI	none	Score	.54
Exons	1348..1379, 1434..1621, 2447..2685, 3756..3824, 4199..4320, 5311..5394, 5541..5697		
Seq. No.	26654	Seq. ID	OJ991115_14.0222.C8
Gene No.	55194	Strand	+
Start	7684	End	12543
Name	OJ991115_14.0222.C8.o3.gs	Method	GENSCAN
Start	7684	End	12402
GI	none	Score	.58
Exons	7684..7959, 8201..8225, 8540..8678, 9416..9548, 10314..10632, 11073..11281, 11313..11441, 11735..11803, 12154..12402		
Seq. No.	26654	Seq. ID	OJ991115_14.0222.C8
Gene No.	55194	Strand	+
Start	7684	End	12543
Name	OJ991115_14.0222.C8.o3.np	Method	AAT/NAP
Start	10343	End	12543
GI	5922620	Score	425
Exons	10343..10555, 10788..11082, 12310..12543		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	26654	Seq. ID	OJ991115_14.0222.C8
Gene No.	55195	Strand	+
Start	13600	End	14127
Name	OJ991115_14.0222.C8.o4.gs	Method	GENSCAN
Start	13600	End	14127
GI	none	Score	.51
Exons	13600..13644, 13990..14127		

Seq. No.	26654	Seq. ID	OJ991115_14.0222.C8
Gene No.	55196	Strand	+
Start	14343	End	18061
Name	OJ991115_14.0222.C8.o5.gs	Method	GENSCAN
Start	14343	End	18061
GI	none	Score	.56
Exons	14343..14430, 14519..14713, 15348..15434, 16160..16215, 16678..16759, 17787..18061		

Seq. No.	26654	Seq. ID	OJ991115_14.0222.C8
Gene No.	55196	Strand	+
Start	14343	End	18061
Name	OJ991115_14.0222.C8.o3.gp	Method	AAT/GAP
Start	14345	End	14704
GI	none	Score	512
Exons	14345..14430, 14517..14704		

Seq. No.	26654	Seq. ID	OJ991115_14.0222.C8
Gene No.	55197	Strand	-
Start	72	End	843
Name	OJ991115_14.0222.C8.o1.gs	Method	GENSCAN
Start	72	End	843
GI	none	Score	.47
Exons	72..843		

Seq. No.	26654	Seq. ID	OJ991115_14.0222.C8
Gene No.	55198	Strand	-
Start	5305	End	5390
Name	OJ991115_14.0222.C8.o2.np	Method	AAT/NAP
Start	5305	End	5390
GI	6630699	Score	95
Exons	5305..5390		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26654	Seq. ID	OJ991115_14.0222.C8
Gene No.	55199	Strand	-
Start	12683	End	12760
Name	OJ991115_14.0222.C8.o4.np	Method	AAT/NAP
Start	12683	End	12760
GI	6630699	Score	86
Exons	12683..12760		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26655	Seq. ID	OJ991115_14.0222.C10
Gene No.	55200	Strand	+
Start	1	End	406
Name	OJ991115_14.0222.C10.o1.np	Method	AAT/NAP
Start	1	End	406
GI	5902448	Score	352
Exons	1..406		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	26655	Seq. ID	OJ991115_14.0222.C10
Gene No.	55200	Strand	+
Start	1	End	406
Name	OJ991115_14.0222.C10.o1.gs	Method	GENSCAN
Start	60	End	397
GI	none	Score	.49
Exons	60..165, 202..397		

Seq. No.	26656	Seq. ID	OJ991015_17.0222.C2
Gene No.	55201	Strand	-
Start	16	End	311
Name	OJ991015_17.0222.C2.o1.gs	Method	GENSCAN
Start	16	End	311
GI	none	Score	.85
Exons	16..311		

Seq. No.	26657	Seq. ID	OJ991015_17.0222.C4
Gene No.	55202	Strand	+
Start	91	End	168
Name	OJ991015_17.0222.C4.o1.gs	Method	GENSCAN
Start	91	End	168
GI	none	Score	.6
Exons	91..168		

Seq. No.	26658	Seq. ID	OJ991015_17.0222.C5
Gene No.	55203	Strand	+
Start	1	End	182
Name	OJ991015_17.0222.C5.o1.np	Method	AAT/NAP
Start	1	End	182
GI	5777617	Score	78
Exons	1..182		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	26658	Seq. ID	OJ991015_17.0222.C5
Gene No.	55204	Strand	-
Start	115	End	720
Name	OJ991015_17.0222.C5.o1.gs	Method	GENSCAN
Start	115	End	627
GI	none	Score	.94
Exons	115..627		

Seq. No.	26658	Seq. ID	OJ991015_17.0222.C5
Gene No.	55204	Strand	-
Start	115	End	720
Name	OJ991015_17.0222.C5.o2.np	Method	AAT/NAP
Start	184	End	720
GI	6006372	Score	119
Exons	184..370, 671..720		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	26659	Seq. ID	OJ991015_17.0222.C6
Gene No.	55205	Strand	-
Start	38	End	2144
Name	OJ991015_17.0222.C6.o1.gs	Method	GENSCAN
Start	38	End	2144
GI	none	Score	.97
Exons	38..210, 2053..2144		

Seq. No.	26659	Seq. ID	OJ991015_17.0222.C6
Gene No.	55205	Strand	-
Start	38	End	2144
Name	OJ991015_17.0222.C6.o1.np	Method	AAT/NAP
Start	113	End	215
GI	5777617	Score	65
Exons	113..215		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	26660	Seq. ID	OJ991015_17.0222.C7
Gene No.	55206	Strand	-
Start	87	End	341
Name	OJ991015_17.0222.C7.o1.gs	Method	GENSCAN
Start	87	End	341
GI	none	Score	.99
Exons	87..341		

Seq. No.	26660	Seq. ID	OJ991015_17.0222.C7
Gene No.	55206	Strand	-
Start	87	End	341
Name	OJ991015_17.0222.C7.o1.np	Method	AAT/NAP
Start	90	End	223
GI	5922620	Score	177
Exons	90..223		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26661	Seq. ID	OJ991015_17.0222.C8
Gene No.	55207	Strand	+
Start	625	End	760
Name	OJ991015_17.0222.C8.o1.gs	Method	GENSCAN
Start	625	End	760
GI	none	Score	.47
Exons	625..760		

Seq. No.	26662	Seq. ID	OJ991015_17.0222.C10
Gene No.	55208	Strand	-
Start	1	End	725
Name	OJ991015_17.0222.C10.o1.gp	Method	AAT/GAP
Start	1	End	725
GI	uC-osflm202101f08b1	Score	295
Exons	1..53, 610..725		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26662	Seq. ID	OJ991015_17.0222.C10
Gene No.	55208	Strand	-
Start	1	End	725
Name	OJ991015_17.0222.C10.o1.np	Method	AAT/NAP
Start	1	End	665
GI	4938492	Score	115
Exons	1..53, 610..665		
GI Descrip.	(AL078464) putative villin, fragment [Arabidopsis thaliana]		

Seq. No.	26663	Seq. ID	OJ991015_17.0222.C11
Gene No.	55209	Strand	-
Start	265	End	273
Name	OJ991015_17.0222.C11.o1.gs	Method	GENSCAN
Start	265	End	273
GI	none	Score	.46
Exons	265..273		

Seq. No.	26664	Seq. ID	OJ991015_17.0222.C13
Gene No.	55210	Strand	-
Start	960	End	2430
Name	OJ991015_17.0222.C13.o1.np	Method	AAT/NAP
Start	661	End	2430
GI	3822036	Score	119
Exons	661..709, 894..1035, 1916..2016, 2143..2264, 2395..2430		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	26664	Seq. ID	OJ991015_17.0222.C13
Gene No.	55210	Strand	-
Start	960	End	2430
Name	OJ991015_17.0222.C13.o1.gs	Method	GENSCAN
Start	960	End	2038
GI	none	Score	.72
Exons	960..1082, 1913..2038		

Seq. No.	26665	Seq. ID	OJ991015_17.0222.C14
Gene No.	55211	Strand	-
Start	1	End	589
Name	OJ991015_17.0222.C14.o1.np	Method	AAT/NAP
Start	1	End	589
GI	3822036	Score	144
Exons	1..218, 455..589		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	26666	Seq. ID	OJ991015_17.0222.C15
Gene No.	55212	Strand	-
Start	287	End	356
Name	OJ991015_17.0222.C15.o1.gs	Method	GENSCAN
Start	287	End	356
GI	none	Score	.47
Exons	287..356		

Seq. No.	26667	Seq. ID	OJ991015_17.0222.C17
Gene No.	55213	Strand	+
Start	220	End	481
Name	OJ991015_17.0222.C17.o1.gs	Method	GENSCAN
Start	220	End	481
GI	none	Score	.74
Exons	220..316, 390..481		

Seq. No.	26668	Seq. ID	OJ991015_17.0222.C18
Gene No.	55214	Strand	+
Start	561	End	6730
Name	OJ991015_17.0222.C18.o1.gs	Method	GENSCAN
Start	561	End	6696
GI	none	Score	.74

Exons	561..932, 1729..1803, 1879..1923, 2141..2215, 3254..3341, 3486..3595, 4868..4963, 5670..5736, 6161..6276, 6354..6432, 6557..6696		
Seq. No.	26668	Seq. ID	OJ991015_17.0222.C18
Gene No.	55214	Strand	+
Start	561	End	6730
Name	OJ991015_17.0222.C18.o1.np	Method	AAT/NAP
Start	561	End	6687
GI	6911862	Score	818
Exons	561..612, 733..932, 1729..1803, 1879..1923, 2141..2215, 3254..3341, 3486..3595, 4868..4954, 5670..5742, 6167..6276, 6354..6432, 6557..6687		
GI Descrip.	(AL138649) serine/threonine-protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	26668	Seq. ID	OJ991015_17.0222.C18
Gene No.	55214	Strand	+
Start	561	End	6730
Name	OJ991015_17.0222.C18.o1.gp	Method	AAT/GAP
Start	4898	End	6730
GI	uC-osrocyp036f11b1	Score	920
Exons	4898..4963, 5670..5736, 6161..6276, 6354..6432, 6557..6730		
GI Descrip.	'1711543/sp|P50526|SSP1_SCHPO 2.0e-22 SERINE/THREONINE-PROTEIN KINASE SSP1 >gi_2130468_pir__S58666 protein kinase ssp1 - fission yeast (Schizosaccharomyces pombe) >gi_1041185_dbj_BAA08301_ (D45882) protein kinase [Schizosaccharomyces pombe] >gi_4584701_emb_CAB40783.1_ (AL049609) serine/threonine-protein kinase ssp1 [Schizosaccharomyces pombe]'		
Seq. No.	26668	Seq. ID	OJ991015_17.0222.C18
Gene No.	55215	Strand	-
Start	6775	End	7241
Name	OJ991015_17.0222.C18.o2.tm	Method	TBLASTX:Maize
Start	469	End	893
GI	none	Score	325
Exons	469..891, 516..713, 517..891, 831..893		
Seq. No.	26668	Seq. ID	OJ991015_17.0222.C18
Gene No.	55215	Strand	-
Start	6775	End	7241
Name	OJ991015_17.0222.C18.o1.tm	Method	TBLASTX:Maize
Start	4871	End	6708
GI	none	Score	150
Exons	4871..4963, 4871..4963, 4873..4965, 4873..4965, 5660..5737, 5661..5741, 5668..5766, 5669..5743, 6159..6275, 6159..6290, 6160..6300, 6342..6431, 6352..6435, 6354..6431, 6546..6701, 6555..6701, 6556..6708		
Seq. No.	26668	Seq. ID	OJ991015_17.0222.C18
Gene No.	55215	Strand	-
Start	6775	End	7241
Name	OJ991015_17.0222.C18.o1.ts	Method	TBLASTX:Soybean
Start	5663	End	6648
GI	none	Score	103
Exons	5663..5743, 5667..5744, 6154..6279, 6156..6290, 6160..6291,		

6347..6448, 6354..6431, 6556..6648

Seq. No.	26668	Seq. ID	OJ991015_17.0222.C18
Gene No.	55215	Strand	-
Start	6775	End	7241
Name	OJ991015_17.0222.C18.o2.gp	Method	AAT/GAP
Start	6775	End	7241
GI	none	Score	900
Exons	6775..7241		

Seq. No.	26669	Seq. ID	OJ991015_17.0222.C20
Gene No.	55216	Strand	+
Start	207	End	822
Name	OJ991015_17.0222.C20.o1.gs	Method	GENSCAN
Start	207	End	822
GI	none	Score	.94
Exons	207..474, 692..822		

Seq. No.	26670	Seq. ID	OJ991015_17.0222.C21
Gene No.	55217	Strand	-
Start	608	End	951
Name	OJ991015_17.0222.C21.o1.gs	Method	GENSCAN
Start	608	End	951
GI	none	Score	.81
Exons	608..678, 882..951		

Seq. No.	26671	Seq. ID	OJ991015_17.0222.C22
Gene No.	55218	Strand	+
Start	12	End	120
Name	OJ991015_17.0222.C22.o1.gs	Method	GENSCAN
Start	12	End	120
GI	none	Score	.79
Exons	12..120		

Seq. No.	26672	Seq. ID	OJ991015_17.0222.C23
Gene No.	55219	Strand	-
Start	1	End	539
Name	OJ991015_17.0222.C23.o1.np	Method	AAT/NAP
Start	1	End	539
GI	6573241	Score	306
Exons	1..136, 240..539		
GI Descrip.	(AF205069) xyloglucan endotransglycosylase [Lycopersicon esculentum]		

Seq. No.	26672	Seq. ID	OJ991015_17.0222.C23
Gene No.	55219	Strand	-
Start	1	End	539
Name	OJ991015_17.0222.C23.o1.ts	Method	TBLASTX:Soybean
Start	1	End	506
GI	none	Score	105
Exons	1..129, 2..133, 3..134, 232..378, 240..389, 399..506, 426..467		

Seq. No.	26672	Seq. ID	OJ991015_17.0222.C23
Gene No.	55219	Strand	-
Start	1	End	539
Name	OJ991015_17.0222.C23.o1.tm	Method	TBLASTX:Maize
Start	1	End	404

GI	none	Score	115
Exons	1..153, 2..160, 3..155, 159..203, 246..395, 247..375, 297..404		

Seq. No.	26672	Seq. ID	OJ991015_17.0222.C23
Gene No.	55219	Strand	-
Start	1	End	539
Name	OJ991015_17.0222.C23.o1.tc	Method	TBLASTX:Cress
Start	2	End	404
GI	none	Score	83
Exons	2..136, 2..136, 246..404, 271..402		

Seq. No.	26672	Seq. ID	OJ991015_17.0222.C23
Gene No.	55219	Strand	-
Start	1	End	539
Name	OJ991015_17.0222.C23.o1.gs	Method	GENSCAN
Start	24	End	539
GI	none	Score	.88
Exons	24..163, 261..539		

Seq. No.	26673	Seq. ID	OJ991015_17.0222.C24
Gene No.	55220	Strand	+
Start	542	End	906
Name	OJ991015_17.0222.C24.o1.gs	Method	GENSCAN
Start	542	End	901
GI	none	Score	.91
Exons	542..676, 775..901		

Seq. No.	26673	Seq. ID	OJ991015_17.0222.C24
Gene No.	55220	Strand	+
Start	542	End	906
Name	OJ991015_17.0222.C24.o1.tm	Method	TBLASTX:Maize
Start	621	End	906
GI	none	Score	89
Exons	621..704, 623..688, 773..901, 774..902, 775..906		

Seq. No.	26674	Seq. ID	OJ991015_17.0222.C26
Gene No.	55221	Strand	+
Start	195	End	593
Name	OJ991015_17.0222.C26.o1.tm	Method	TBLASTX:Maize
Start	194	End	502
GI	none	Score	60
Exons	194..244, 260..502		

Seq. No.	26674	Seq. ID	OJ991015_17.0222.C26
Gene No.	55221	Strand	+
Start	195	End	593
Name	OJ991015_17.0222.C26.o1.np	Method	AAT/NAP
Start	195	End	593
GI	4539424	Score	270
Exons	195..593		
GI Descrip.	(AL049171) steroid sulfotransferase-like protein [Arabidopsis thaliana]		

Seq. No.	26674	Seq. ID	OJ991015_17.0222.C26
Gene No.	55221	Strand	+
Start	195	End	593
Name	OJ991015_17.0222.C26.o1.gs	Method	GENSCAN

Start	233	End	548
GI	none	Score	.82
Exons	233..548		

Seq. No.	26674	Seq. ID	OJ991015_17.0222.C26
Gene No.	55221	Strand	+
Start	195	End	593
Name	OJ991015_17.0222.C26.o1.tc	Method	TBLASTX:Cress
Start	260	End	535
GI	none	Score	235
Exons	260..535, 274..534		

Seq. No.	26675	Seq. ID	OJ991015_17.0222.C27
Gene No.	55222	Strand	+
Start	96	End	156
Name	OJ991015_17.0222.C27.o1.gs	Method	GENSCAN
Start	96	End	156
GI	none	Score	.79
Exons	96..156		

Seq. No.	26676	Seq. ID	OJ991015_17.0222.C28
Gene No.	55223	Strand	+
Start	188	End	622
Name	OJ991015_17.0222.C28.o1.gs	Method	GENSCAN
Start	188	End	622
GI	none	Score	.86
Exons	188..622		

Seq. No.	26677	Seq. ID	OJ991015_17.0222.C29
Gene No.	55224	Strand	-
Start	40	End	1560
Name	OJ991015_17.0222.C29.o1.tc	Method	TBLASTX:Cress
Start	37	End	1559
GI	none	Score	111
Exons	37..153, 41..157, 244..336, 245..301, 325..447, 647..808, 648..785, 734..844, 1102..1167, 1103..1189, 1304..1411, 1306..1440, 1306..1434, 1490..1558, 1500..1559, 1503..1559		

Seq. No.	26677	Seq. ID	OJ991015_17.0222.C29
Gene No.	55224	Strand	-
Start	40	End	1560
Name	OJ991015_17.0222.C29.o1.tw	Method	TBLASTX:Wheat
Start	37	End	321
GI	none	Score	132
Exons	37..153, 38..145, 39..152, 49..177, 220..321, 238..306		

Seq. No.	26677	Seq. ID	OJ991015_17.0222.C29
Gene No.	55224	Strand	-
Start	40	End	1560
Name	OJ991015_17.0222.C29.o1.tm	Method	TBLASTX:Maize
Start	38	End	454
GI	none	Score	153
Exons	38..151, 38..151, 40..153, 79..153, 220..450, 238..402, 245..451, 365..454		

Seq. No.	26677	Seq. ID	OJ991015_17.0222.C29
Gene No.	55224	Strand	-

Start	40	End	1560
Name	OJ991015_17.0222.C29.o1.np	Method	AAT/NAP
Start	40	End	1560
GI	3093294	Score	702
Exons	40..150, 244..455, 495..844, 1102..1167, 1285..1410, 1499..1560		
GI Descrip.	(Y12782) putative villin [Arabidopsis thaliana] gi|5730126|emb|CAB52460.1| (AL109796) putative villin [Arabidopsis thaliana]		

Seq. No.	26677	Seq. ID	OJ991015_17.0222.C29
Gene No.	55224	Strand	-
Start	40	End	1560
Name	OJ991015_17.0222.C29.o1.gs	Method	GENSCAN
Start	244	End	1410
GI	none	Score	.75
Exons	244..452, 697..844, 1102..1167, 1285..1410		

Seq. No.	26677	Seq. ID	OJ991015_17.0222.C29
Gene No.	55224	Strand	-
Start	40	End	1560
Name	OJ991015_17.0222.C29.o2.ts	Method	TBLASTX:Soybean
Start	334	End	844
GI	none	Score	155
Exons	334..432, 647..799, 648..782, 812..844		

Seq. No.	26677	Seq. ID	OJ991015_17.0222.C29
Gene No.	55224	Strand	-
Start	40	End	1560
Name	OJ991015_17.0222.C29.o2.tm	Method	TBLASTX:Maize
Start	526	End	1560
GI	none	Score	81
Exons	526..654, 562..645, 640..843, 643..834, 647..844, 648..842, 1079..1210, 1102..1167, 1103..1189, 1282..1413, 1286..1411, 1287..1463, 1475..1558, 1484..1558, 1498..1560, 1500..1559		

Seq. No.	26677	Seq. ID	OJ991015_17.0222.C29
Gene No.	55224	Strand	-
Start	40	End	1560
Name	OJ991015_17.0222.C29.o1.gp	Method	AAT/GAP
Start	562	End	1560
GI	26830_1.R1084	Score	987
Exons	562..844, 1102..1167, 1285..1410, 1499..1560		
GI Descrip.	'3093294/emb|CAA73320| 1.0e-71 (Y12782) putative villin [Arabidopsis thaliana] >gi_5730126_emb_CAB52460.1_ (AL109796) putative villin [Arabidopsis thaliana]'		

Seq. No.	26677	Seq. ID	OJ991015_17.0222.C29
Gene No.	55224	Strand	-
Start	40	End	1560
Name	OJ991015_17.0222.C29.o1.ts	Method	TBLASTX:Soybean
Start	1102	End	1559
GI	none	Score	58
Exons	1102..1167, 1103..1168, 1288..1425, 1289..1411, 1294..1413, 1496..1558, 1499..1558, 1500..1559		

Seq. No.	26678	Seq. ID	OJ991015_17.0222.C30
Gene No.	55225	Strand	+

Start	1905	End	2083
Name	OJ991015_17.0222.C30.o1.gp	Method	AAT/GAP
Start	1905	End	2083
GI	44606_1.R1084	Score	280
Exons	1905..2083		
GI Descrip.	'3093294/emb|CAA73320| 1.0e-113 (Y12782) putative villin [Arabidopsis thaliana] >gi_5730126_emb_CAB52460.1_ (AL109796) putative villin [Arabidopsis thaliana]'		

Seq. No.	26678	Seq. ID	OJ991015_17.0222.C30
Gene No.	55226	Strand	-
Start	1	End	2200
Name	OJ991015_17.0222.C30.o1.np	Method	AAT/NAP
Start	1	End	2200
GI	3093294	Score	556
Exons	1..60, 938..1066, 1165..1302, 1381..1449, 1532..1600, 1917..2078, 2175..2200		
GI Descrip.	(Y12782) putative villin [Arabidopsis thaliana] gi|5730126|emb|CAB52460.1| (AL109796) putative villin [Arabidopsis thaliana]		

Seq. No.	26678	Seq. ID	OJ991015_17.0222.C30
Gene No.	55226	Strand	-
Start	1	End	2200
Name	OJ991015_17.0222.C30.o1.gs	Method	GENSCAN
Start	938	End	2072
GI	none	Score	.67
Exons	938..1066, 1093..1302, 1532..1600, 1917..2072		

Seq. No.	26678	Seq. ID	OJ991015_17.0222.C30
Gene No.	55226	Strand	-
Start	1	End	2200
Name	OJ991015_17.0222.C30.o1.tc	Method	TBLASTX:Cress
Start	938	End	2075
GI	none	Score	76
Exons	938..1033, 939..1064, 1150..1284, 1163..1303, 1168..1305, 1184..1303, 1382..1438, 1395..1442, 1423..1452, 1532..1606, 1533..1601, 1915..2073, 1917..2075, 1992..2075		

Seq. No.	26678	Seq. ID	OJ991015_17.0222.C30
Gene No.	55226	Strand	-
Start	1	End	2200
Name	OJ991015_17.0222.C30.o1.ts	Method	TBLASTX:Soybean
Start	938	End	2048
GI	none	Score	66
Exons	938..1033, 942..1064, 951..1061, 1150..1284, 1171..1305, 1178..1303, 1348..1479, 1365..1442, 1532..1606, 1533..1601, 1879..2046, 1910..2047, 1917..2048		

Seq. No.	26678	Seq. ID	OJ991015_17.0222.C30
Gene No.	55226	Strand	-
Start	1	End	2200
Name	OJ991015_17.0222.C30.o1.tm	Method	TBLASTX:Maize
Start	1189	End	1992
GI	none	Score	78
Exons	1189..1284, 1189..1284, 1191..1289, 1274..1303, 1394..1438, 1398..1442, 1423..1446, 1521..1601, 1529..1606, 1530..1601,		

1911..1991, 1916..1990, 1917..1991, 1924..1992, 1924..1992

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55227	Strand	-
Start	1	End	4465
Name	OJ991015_17.0222.C31.o1.np	Method	AAT/NAP
Start	1	End	1943
GI	3367534	Score	1390
Exons	1..142, 556..1050, 1736..1943		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55227	Strand	-
Start	1	End	4465
Name	OJ991015_17.0222.C31.o1.gs	Method	GENSCAN
Start	533	End	4465
GI	none	Score	.84
Exons	533..1050, 1524..1709, 1736..1999, 3841..3924, 4032..4057, 4392..4465		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969
Name	OJ991015_17.0222.C31.o3.tm	Method	TBLASTX:Maize
Start	3	End	1060
GI	none	Score	164
Exons	3..116, 18..149, 18..125, 539..673, 566..661, 566..655, 755..1054, 761..871, 767..1060, 767..994, 791..1051		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969
Name	OJ991015_17.0222.C31.o2.ts	Method	TBLASTX:Soybean
Start	18	End	1054
GI	none	Score	267
Exons	18..125, 566..664, 686..940, 687..938, 770..832, 896..1054		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969
Name	OJ991015_17.0222.C31.o2.tc	Method	TBLASTX:Cress
Start	584	End	1956
GI	none	Score	246
Exons	584..652, 770..835, 791..973, 917..1036, 1734..1949, 1735..1956		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969
Name	OJ991015_17.0222.C31.o3.ts	Method	TBLASTX:Soybean
Start	1734	End	1950
GI	none	Score	261
Exons	1734..1946, 1735..1947, 1824..1943, 1924..1950		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969

Name	OJ991015_17.0222.C31.o2.tm	Method	TBLASTX:Maize
Start	1743	End	1956
GI	none	Score	208
Exons	1743..1946, 1744..1956		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969
Name	OJ991015_17.0222.C31.o1.gp	Method	AAT/GAP
Start	8310	End	8969
GI	12998_2.R1084	Score	1265
Exons	8310..8969		
GI Descrip.	'3367534 5.0e-63 (AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb_U24105 from Homo sapiens. [Arabidopsis thaliana]'		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969
Name	OJ991015_17.0222.C31.o1.tm	Method	TBLASTX:Maize
Start	8536	End	8968
GI	none	Score	307
Exons	8536..8967, 8537..8764, 8540..8968, 8575..8967		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969
Name	OJ991015_17.0222.C31.o1.tc	Method	TBLASTX:Cress
Start	8581	End	8967
GI	none	Score	131
Exons	8581..8796, 8600..8764, 8807..8827, 8813..8932, 8854..8967		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969
Name	OJ991015_17.0222.C31.o2.gs	Method	GENSCAN
Start	8581	End	8928
GI	none	Score	.6
Exons	8581..8928		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969
Name	OJ991015_17.0222.C31.o1.ts	Method	TBLASTX:Soybean
Start	8581	End	8967
GI	none	Score	193
Exons	8581..8796, 8597..8764, 8616..8783, 8617..8784, 8846..8932, 8854..8967		

Seq. No.	26679	Seq. ID	OJ991015_17.0222.C31
Gene No.	55228	Strand	-
Start	8581	End	8969
Name	OJ991015_17.0222.C31.o2.np	Method	AAT/NAP
Start	8584	End	8969
GI	3367534	Score	447
Exons	8584..8969		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP)		

homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55229	Strand	+
Start	1245	End	3162
Name	OJ991015_17.0222.C32.o1.np	Method	AAT/NAP
Start	1245	End	3162
GI	226992	Score	203
Exons	1245..1485, 3106..3162		
GI Descrip.	psbB gene [Pisum sativum]		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55230	Strand	+
Start	12402	End	13173
Name	OJ991015_17.0222.C32.o2.gs	Method	GENSCAN
Start	12402	End	13173
GI	none	Score	.46
Exons	12402..12784, 13077..13173		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55231	Strand	+
Start	17995	End	20380
Name	OJ991015_17.0222.C32.o4.gs	Method	GENSCAN
Start	17995	End	20380
GI	none	Score	.85
Exons	17995..18405, 18749..19066, 20091..20177, 20260..20316, 20375..20380		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55232	Strand	+
Start	20406	End	20821
Name	OJ991015_17.0222.C32.o5.gp	Method	AAT/GAP
Start	20406	End	20821
GI	3768912	Score	776
Exons	20406..20821		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55233	Strand	+
Start	38863	End	42900
Name	OJ991015_17.0222.C32.o5.np	Method	AAT/NAP
Start	38863	End	40901
GI	1087073	Score	716
Exons	38863..39513, 39689..39747, 39882..40007, 40172..40298, 40595..40901		
GI Descrip.	(S79243) calmodulin-binding heat-shock protein, CaMBP [Nicotiana tabacum=tobacco, Wisconsin-38, Peptide, 449 aa] [Nicotiana tabacum]		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55233	Strand	+
Start	38863	End	42900
Name	OJ991015_17.0222.C32.o7.gs	Method	GENSCAN
Start	38863	End	42900
GI	none	Score	.76
Exons	38863..39479, 39882..40007, 40172..40307, 40613..40871, 42068..42213, 42336..42615, 42714..42900		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55234	Strand	-
Start	1656	End	11151
Name	OJ991015_17.0222.C32.o1.gs	Method	GENSCAN
Start	1656	End	11151
GI	none	Score	.49
Exons	1656..1789, 1973..2182, 3379..6267, 7008..7502, 8089..8365, 8976..9049, 9558..9632, 11133..11151		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55234	Strand	-
Start	1656	End	11151
Name	OJ991015_17.0222.C32.o2.np	Method	AAT/NAP
Start	3317	End	8296
GI	3367534	Score	5040
Exons	3317..6267, 7008..7502, 8089..8296		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55234	Strand	-
Start	1656	End	11151
Name	OJ991015_17.0222.C32.o2.gp	Method	AAT/GAP
Start	3766	End	5216
GI	12998_1.R1084	Score	2710
Exons	3766..5216		
GI Descrip.	'1362170/pir||S57448 6.0e-09 DNA binding protein - rice (fragment) >gi_871498_emb_CAA61277_ (X88799) DNA binding protein [Oryza sativa]'		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55235	Strand	-
Start	13225	End	17775
Name	OJ991015_17.0222.C32.o3.gp	Method	AAT/GAP
Start	13225	End	14045
GI	871497	Score	1580
Exons	13225..14045		
GI Descrip.	1362170/pir||S57448 6.0e-09 DNA binding protein - rice (fragment) >gi_871498_emb_CAA61277_ (X88799) DNA binding protein [Oryza sativa]		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55235	Strand	-
Start	13225	End	17775
Name	OJ991015_17.0222.C32.o3.gs	Method	GENSCAN
Start	13702	End	17775
GI	none	Score	.56
Exons	13702..14419, 15325..15413, 17035..17229, 17656..17775		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55235	Strand	-
Start	13225	End	17775
Name	OJ991015_17.0222.C32.o3.np	Method	AAT/NAP
Start	13705	End	14043
GI	1362170	Score	578
Exons	13705..14043		
GI Descrip.	DNA binding protein - rice (fragment) gi|871498|emb|CAA61277|		

(X88799) DNA binding protein [Oryza sativa]

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55236	Strand	-
Start	17810	End	18242
Name	OJ991015_17.0222.C32.o4.gp	Method	AAT/GAP
Start	17810	End	18242
GI	286549	Score	637
Exons	17810..17878, 17980..18242		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55237	Strand	-
Start	22150	End	22642
Name	OJ991015_17.0222.C32.o6.gp	Method	AAT/GAP
Start	22150	End	22642
GI	5771216	Score	944
Exons	22150..22642		
GI Descrip.	1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa pathogenesis-related protein class 1 (PR-1) gene, complete cds		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o2.tw	Method	TBLASTX:Wheat
Start	1238	End	1431
GI	none	Score	60
Exons	1238..1285, 1245..1289, 1263..1385, 1263..1388, 1264..1386, 1264..1395, 1328..1396, 1373..1426, 1381..1431, 1381..1428		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o10.tm	Method	TBLASTX:Maize
Start	1262	End	1431
GI	none	Score	174
Exons	1262..1420, 1263..1427, 1264..1431, 1264..1428		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o7.tc	Method	TBLASTX:Cress
Start	1262	End	1429
GI	none	Score	194
Exons	1262..1396, 1263..1385, 1270..1386, 1325..1396, 1381..1428, 1382..1429		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o1.tm	Method	TBLASTX:Maize
Start	3212	End	4482
GI	none	Score	46
Exons	3212..3292, 3223..3255, 3294..3497, 3305..4450, 3305..4297, 3306..4316, 3310..4365, 4380..4439, 4446..4481, 4447..4482		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-

Start	23174	End	34424
Name	OJ991015_17.0222.C32.o2.tc	Method	TBLASTX:Cress
Start	3308	End	3904
GI	none	Score	130
Exons	3308..3529, 3333..3497, 3355..3537, 3540..3560, 3546..3665, 3587..3904, 3590..3889, 3783..3902		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o1.ts	Method	TBLASTX:Soybean
Start	3314	End	4273
GI	none	Score	164
Exons	3314..3529, 3327..3533, 3330..3497, 3334..3534, 3503..4273, 3555..3584, 3576..3665, 3587..3880, 3711..4271		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o2.ts	Method	TBLASTX:Soybean
Start	4417	End	5131
GI	none	Score	109
Exons	4417..4695, 4490..5131, 4521..5126		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o7.tm	Method	TBLASTX:Maize
Start	4484	End	4639
GI	none	Score	162
Exons	4484..4639, 4496..4624, 4518..4637		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o3.tc	Method	TBLASTX:Cress
Start	4535	End	4993
GI	none	Score	290
Exons	4535..4570, 4565..4993, 4569..4985, 4586..4993		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o2.tm	Method	TBLASTX:Maize
Start	4640	End	5278
GI	none	Score	146
Exons	4640..5041, 4642..4794, 4646..5041, 4668..5045, 5042..5278, 5043..5273, 5074..5274		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o5.tc	Method	TBLASTX:Cress
Start	4994	End	5176
GI	none	Score	170
Exons	4994..5176, 4995..5174		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o4.ts	Method	TBLASTX:Soybean
Start	5186	End	5560
GI	none	Score	318
Exons	5186..5530, 5211..5531, 5516..5560		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o1.tc	Method	TBLASTX:Cress
Start	5226	End	5698
GI	none	Score	418
Exons	5226..5636, 5231..5698, 5267..5698		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o10.ts	Method	TBLASTX:Soybean
Start	5582	End	5755
GI	none	Score	134
Exons	5582..5752, 5583..5753, 5590..5754, 5603..5755		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o5.ts	Method	TBLASTX:Soybean
Start	5756	End	6101
GI	none	Score	271
Exons	5756..6097, 5757..6101		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o11.tm	Method	TBLASTX:Maize
Start	6011	End	7512
GI	none	Score	159
Exons	6011..6250, 6023..6250, 6047..6244, 7003..7125, 7018..7113, 7018..7107, 7207..7506, 7213..7323, 7219..7512, 7219..7446, 7243..7503		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o6.ts	Method	TBLASTX:Soybean
Start	6143	End	7506
GI	none	Score	76
Exons	6143..6250, 7137..7244, 7138..7392, 7139..7390, 7210..7410, 7212..7412, 7348..7506		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o7.ts	Method	TBLASTX:Soybean
Start	7018	End	8300
GI	none	Score	265

Exons 7018..7104, 8084..8299, 8085..8300

Seq. No. 26680 Seq. ID OJ991015_17.0222.C32
Gene No. 55238 Strand -
Start 23174 End 34424
Name OJ991015_17.0222.C32.o4.tc Method TBLASTX:Cress
Start 7036 End 8297
GI none Score 241
Exons 7036..7104, 7222..7287, 7243..7425, 7369..7488, 8084..8296, 8085..8297

Seq. No. 26680 Seq. ID OJ991015_17.0222.C32
Gene No. 55238 Strand -
Start 23174 End 34424
Name OJ991015_17.0222.C32.o6.tm Method TBLASTX:Maize
Start 8096 End 8300
GI none Score 207
Exons 8096..8299, 8097..8300

Seq. No. 26680 Seq. ID OJ991015_17.0222.C32
Gene No. 55238 Strand -
Start 23174 End 34424
Name OJ991015_17.0222.C32.o9.tm Method TBLASTX:Maize
Start 18817 End 20484
GI none Score 199
Exons 18817..18933, 18818..18934, 19024..19068, 19025..19111, 20263..20319, 20410..20484

Seq. No. 26680 Seq. ID OJ991015_17.0222.C32
Gene No. 55238 Strand -
Start 23174 End 34424
Name OJ991015_17.0222.C32.o7.gp Method AAT/GAP
Start 22645 End 24678
GI 17089_1.R1084 Score 1464
Exons 22645..23000, 23092..23257, 24163..24240, 24353..24526, 24614..24678
GI Descrip. '1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa pathogenesis-related protein class 1 (PR-1) gene, complete cds'

Seq. No. 26680 Seq. ID OJ991015_17.0222.C32
Gene No. 55238 Strand -
Start 23174 End 34424
Name OJ991015_17.0222.C32.o4.tm Method TBLASTX:Maize
Start 22893 End 27595
GI none Score 87
Exons 22893..22979, 22915..22983, 22919..22978, 22979..22996, 22984..23004, 23089..23139, 23092..23139, 23093..23140, 23093..23140, 23165..23239, 23169..23270, 23170..23259, 24148..24240, 24162..24239, 24278..24529, 24372..24527, 24373..24531, 24400..24528, 24419..24574, 24605..24673, 24613..24681, 24615..24671, 24774..24851, 24775..24831, 25607..25705, 25614..25706, 25618..25704, 25620..25766, 25621..25767, 25932..26057, 25967..26050, 25971..26057, 25975..26058, 26125..26283, 26139..26273, 27502..27594, 27502..27594, 27506..27595

Seq. No. 26680 Seq. ID OJ991015_17.0222.C32

Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o9.ts	Method	TBLASTX:Soybean
Start	23162	End	27570
GI	none	Score	67
Exons	23162..23221, 23163..23219, 23223..23270, 24206..24241, 24349..24435, 24353..24574, 24459..24527, 24605..24673, 24615..24671, 24774..24836, 24775..24828, 25607..25708, 25618..25707, 25621..25710, 25932..26057, 25975..26058, 26125..26256, 26126..26209, 26203..26355, 26276..26350, 27499..27570		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o4.np	Method	AAT/NAP
Start	23174	End	32523
GI	6729348	Score	2979
Exons	23174..23257, 24163..24242, 24352..24526, 24614..24670, 24777..24828, 25619..25707, 25971..26056, 26139..26349, 27502..27594, 27670..27810, 27887..27979, 29591..29825, 29975..30147, 30946..32283, 32380..32523		
GI Descrip.	(AB037134) IRE homolog 1 [Arabidopsis thaliana]		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o5.gs	Method	GENSCAN
Start	23174	End	34308
GI	none	Score	.73
Exons	23174..23257, 24163..24240, 24353..24504, 24797..24828, 25619..25707, 25971..26056, 26139..26349, 27502..27594, 27670..27810, 27887..27979, 29591..29825, 29975..30147, 30946..32283, 32380..32565, 33337..33365, 33531..33617, 33663..34308		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o1.tw	Method	TBLASTX:Wheat
Start	24351	End	24836
GI	none	Score	252
Exons	24351..24527, 24352..24531, 24353..24574, 24605..24673, 24613..24681, 24615..24671, 24766..24831, 24774..24836, 24775..24831		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o8.tc	Method	TBLASTX:Cress
Start	25989	End	29689
GI	none	Score	46
Exons	25989..26051, 25990..26049, 26125..26205, 26126..26197, 26326..26355, 27505..27594, 27667..27816, 27668..27772, 27884..27982, 29588..29689		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32

Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o8.ts	Method	TBLASTX:Soybean
Start	27667	End	29744
GI	none	Score	198
Exons	27667..27816, 27668..27817, 27672..27818, 27881..27970, 27884..27982, 27885..28037, 29588..29743, 29589..29744		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o3.ts	Method	TBLASTX:Soybean
Start	30019	End	31405
GI	none	Score	79
Exons	30019..30150, 30020..30151, 30909..31268, 30934..31404, 30943..31401, 30950..31405		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o8.gp	Method	AAT/GAP
Start	30084	End	31408
GI	none	Score	1022
Exons	30084..30147, 30946..31408		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o5.tm	Method	TBLASTX:Maize
Start	31147	End	31387
GI	none	Score	284
Exons	31147..31386, 31151..31387		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o6.tc	Method	TBLASTX:Cress
Start	31885	End	32124
GI	none	Score	152
Exons	31885..32124, 31930..32097, 31979..32122		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o3.tm	Method	TBLASTX:Maize
Start	32056	End	32440
GI	none	Score	129
Exons	32056..32286, 32061..32192, 32062..32286, 32378..32440, 32380..32439		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o12.ts	Method	TBLASTX:Soybean
Start	32408	End	32562
GI	none	Score	148
Exons	32408..32551, 32410..32547, 32425..32562		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55238	Strand	-
Start	23174	End	34424
Name	OJ991015_17.0222.C32.o9.gp	Method	AAT/GAP
Start	34042	End	34424
GI	none	Score	730
Exons	34042..34424		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55239	Strand	
Start	39415	End	40312
Name	OJ991015_17.0222.C32.o8.tm	Method	TBLASTX:Maize
Start	39415	End	40312
GI	none	Score	126
Exons	39415..39513, 39432..39506, 39683..39742, 39883..39942, 39940..40038, 40166..40312, 40167..40310		

Seq. No.	26680	Seq. ID	OJ991015_17.0222.C32
Gene No.	55239	Strand	
Start	39415	End	40312
Name	OJ991015_17.0222.C32.o11.ts	Method	TBLASTX:Soybean
Start	39883	End	40312
GI	none	Score	81
Exons	39883..39942, 39931..40038, 40169..40312, 40170..40310		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55240	Strand	+
Start	1780	End	1858
Name	OJ991015_17.0222.C33.o1.np	Method	AAT/NAP
Start	1780	End	1858
GI	6630699	Score	95
Exons	1780..1858		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55241	Strand	+
Start	1983	End	6553
Name	OJ991015_17.0222.C33.o2.np	Method	AAT/NAP
Start	1983	End	3969
GI	6539570	Score	216
Exons	1983..2198, 2365..2419, 3941..3969		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55241	Strand	+
Start	1983	End	6553
Name	OJ991015_17.0222.C33.o3.np	Method	AAT/NAP
Start	2894	End	5957
GI	6453893	Score	608
Exons	2894..2985, 3672..3876, 4136..4253, 4554..4861, 5157..5255, 5435..5615, 5703..5957		
GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33

Gene No.	55241	Strand	+
Start	1983	End	6553
Name	OJ991015_17.0222.C33.o2.gs	Method	GENSCAN
Start	3500	End	6553
GI	none	Score	.72
Exons	3500..3876, 4136..4253, 4554..4861, 4937..5068, 5157..5255, 5435..5940, 6501..6553		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+
Start	9108	End	16321
Name	OJ991015_17.0222.C33.o2.tw	Method	TBLASTX:Wheat
Start	8	End	597
GI	none	Score	35
Exons	8..28, 18..107, 27..65, 31..84, 170..277, 171..278, 357..410, 357..407, 358..411, 358..408, 527..595, 537..596, 538..597, 538..597		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+
Start	9108	End	16321
Name	OJ991015_17.0222.C33.o3.tm	Method	TBLASTX:Maize
Start	4161	End	4730
GI	none	Score	148
Exons	4161..4265, 4162..4269, 4163..4270, 4549..4725, 4551..4730, 4553..4729		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+
Start	9108	End	16321
Name	OJ991015_17.0222.C33.o2.tm	Method	TBLASTX:Maize
Start	4827	End	5510
GI	none	Score	47
Exons	4827..4862, 4880..4975, 4923..4985, 4934..4993, 4935..5084, 4936..5070, 4941..5087, 5016..5084, 5154..5258, 5154..5195, 5155..5256, 5155..5202, 5433..5510		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+
Start	9108	End	16321
Name	OJ991015_17.0222.C33.o4.tm	Method	TBLASTX:Maize
Start	5711	End	5951
GI	none	Score	210
Exons	5711..5881, 5712..5897, 5715..5897, 5719..5943, 5719..5943, 5919..5951		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+
Start	9108	End	16321
Name	OJ991015_17.0222.C33.o3.gs	Method	GENSCAN
Start	9108	End	16321
GI	none	Score	.75
Exons	9108..9113, 10419..10657, 13540..13644, 14322..14454, 14547..14672, 14857..14884, 15207..15249, 16009..16321		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+

Start	9108	End	16321
Name	OJ991015_17.0222.C33.o1.gp	Method	AAT/GAP
Start	10497	End	14895
GI	17570_1.R1084	Score	984
Exons	10497..10657, 14315..14454, 14547..14672, 14758..14895		
GI Descrip.	'4886271/emb|CAB43411.1| 9.0e-56 (AL050300) putative protein [Arabidopsis thaliana]'		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+
Start	9108	End	16321
Name	OJ991015_17.0222.C33.o4.np	Method	AAT/NAP
Start	14281	End	14895
GI	4886271	Score	503
Exons	14281..14454, 14547..14672, 14758..14895		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+
Start	9108	End	16321
Name	OJ991015_17.0222.C33.o1.tm	Method	TBLASTX:Maize
Start	14304	End	14892
GI	none	Score	212
Exons	14304..14447, 14306..14449, 14314..14454, 14314..14454, 14544..14672, 14546..14704, 14547..14675, 14757..14888, 14758..14892		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+
Start	9108	End	16321
Name	OJ991015_17.0222.C33.o1.ts	Method	TBLASTX:Soybean
Start	14304	End	15265
GI	none	Score	212
Exons	14304..14453, 14314..14454, 14546..14689, 14547..14687, 14547..14690, 14548..14691, 14749..14859, 14757..14837, 14757..14888, 14758..14889, 15206..15265		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+
Start	9108	End	16321
Name	OJ991015_17.0222.C33.o1.tc	Method	TBLASTX:Cress
Start	14314	End	14889
GI	none	Score	215
Exons	14314..14454, 14314..14454, 14324..14467, 14529..14672, 14547..14675, 14555..14674, 14758..14889, 14758..14889		

Seq. No.	26681	Seq. ID	OJ991015_17.0222.C33
Gene No.	55242	Strand	+
Start	9108	End	16321
Name	OJ991015_17.0222.C33.o1.tw	Method	TBLASTX:Wheat
Start	14352	End	14892
GI	none	Score	129
Exons	14352..14450, 14353..14454, 14357..14449, 14544..14666, 14546..14704, 14547..14675, 14749..14859, 14757..14888, 14758..14892		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34

Gene No.	55243	Strand	+
Start	1581	End	3046
Name	OJ991015_17.0222.C34.o1.gs	Method	GENSCAN
Start	1581	End	3046
GI	none	Score	.66
Exons	1581..1681, 2944..3046		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55244	Strand	+
Start	13902	End	14035
Name	OJ991015_17.0222.C34.o4.gs	Method	GENSCAN
Start	13902	End	14035
GI	none	Score	.62
Exons	13902..14035		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o2.np	Method	AAT/NAP
Start	142	End	14148
GI	5734709	Score	417
Exons	142..208, 5144..5243, 7439..7964, 8714..9187, 9219..9316, 9527..9806, 10140..10425, 13901..14148		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o2.gs	Method	GENSCAN
Start	3748	End	10114
GI	none	Score	.55
Exons	3748..3773, 5450..5716, 7415..7990, 8728..10114		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o1.gp	Method	AAT/GAP
Start	6962	End	7410
GI	none	Score	861
Exons	6962..7410		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o2.tw	Method	TBLASTX:Wheat
Start	7240	End	7627
GI	none	Score	41
Exons	7240..7272, 7347..7403, 7389..7625, 7391..7627, 7438..7626		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o1.np	Method	AAT/NAP
Start	7401	End	10084
GI	4008006	Score	1553
Exons	7401..7990, 8728..10084		

GI Descrip. (AF084034) receptor-like protein kinase [Arabidopsis thaliana]

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o2.gp	Method	AAT/GAP
Start	7407	End	7739
GI	LIB3434-064-P1-K1-B5	Score	563
Exons	7407..7739		
GI Descrip.	'2760839/gb|AAB95307.1| 1.0e-26 (AC003105) putative receptor kinase [Arabidopsis thaliana]'		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o1.ts	Method	TBLASTX:Soybean
Start	7417	End	8995
GI	none	Score	403
Exons	7417..7959, 7428..7964, 7960..8010, 7965..7991, 8723..8920, 8726..8995, 8727..8921		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o1.tm	Method	TBLASTX:Maize
Start	7427	End	8011
GI	none	Score	443
Exons	7427..7723, 7428..8000, 7429..7995, 7814..8011		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o1.tc	Method	TBLASTX:Cress
Start	7428	End	8884
GI	none	Score	184
Exons	7428..7541, 7551..7766, 7555..7770, 7752..7991, 8726..8884		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o3.tw	Method	TBLASTX:Wheat
Start	7668	End	7958
GI	none	Score	137
Exons	7668..7766, 7806..7958		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o3.gp	Method	AAT/GAP
Start	7832	End	9171
GI	70286_1.R1084	Score	1143
Exons	7832..7990, 8728..9171		
GI Descrip.	'4008006 8.0e-52 (AF084034) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-

Start	142	End	14148
Name	OJ991015_17.0222.C34.o3.tm	Method	TBLASTX:Maize
Start	8726	End	9073
GI	none	Score	324
Exons	8726..9073, 8727..9062		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o1.tw	Method	TBLASTX:Wheat
Start	8801	End	9050
GI	none	Score	224
Exons	8801..9049, 8802..9050		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o2.tc	Method	TBLASTX:Cress
Start	8885	End	9932
GI	none	Score	104
Exons	8885..9007, 8885..9019, 9014..9121, 9411..9932, 9461..9931		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o4.tm	Method	TBLASTX:Maize
Start	9199	End	9419
GI	none	Score	184
Exons	9199..9342, 9201..9251, 9208..9342, 9365..9418, 9366..9419		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o2.ts	Method	TBLASTX:Soybean
Start	9411	End	9931
GI	none	Score	82
Exons	9411..9533, 9461..9550, 9506..9748, 9545..9931, 9552..9920		

Seq. No.	26682	Seq. ID	OJ991015_17.0222.C34
Gene No.	55245	Strand	-
Start	142	End	14148
Name	OJ991015_17.0222.C34.o2.tm	Method	TBLASTX:Maize
Start	9420	End	9902
GI	none	Score	188
Exons	9420..9545, 9427..9459, 9461..9544, 9533..9655, 9534..9902, 9542..9901		

Seq. No.	26683	Seq. ID	OJ991015_17.0222.C35
Gene No.	55246	Strand	+
Start	59	End	1132
Name	OJ991015_17.0222.C35.o1.gs	Method	GENSCAN
Start	59	End	1132
GI	none	Score	.6
Exons	59..271, 722..836, 945..1132		

Seq. No.	26683	Seq. ID	OJ991015_17.0222.C35
Gene No.	55247	Strand	-

Start	8597	End	10898
Name	OJ991015_17.0222.C35.o1.tm	Method	TBLASTX:Maize
Start	5058	End	6293
GI	none	Score	194
Exons	5058..5276, 5083..5250, 5093..5281, 5094..5279, 5383..5490, 5384..5530, 5385..5486, 5387..5491, 5395..5502, 5489..5584, 5493..5705, 5524..5628, 5654..5707, 5692..5991, 5699..5992, 5710..5994, 5995..6246, 5998..6249, 6246..6293		

Seq. No.	26683	Seq. ID	OJ991015_17.0222.C35
Gene No.	55247	Strand	-
Start	8597	End	10898
Name	OJ991015_17.0222.C35.o3.gs	Method	GENSCAN
Start	8597	End	10898
GI	none	Score	.66
Exons	8597..8818, 10370..10537, 10564..10626, 10766..10898		

Seq. No.	26683	Seq. ID	OJ991015_17.0222.C35
Gene No.	55247	Strand	-
Start	8597	End	10898
Name	OJ991015_17.0222.C35.o1.gp	Method	AAT/GAP
Start	8616	End	8678
GI	15625_1.R1084	Score	82
Exons	8616..8678		
GI Descrip.	'2129628/pir||S58275 2.0e-21 ketoconazole resistent protein - Arabidopsis thaliana >gi_928938_emb_CAA61433_ (X89036) ketoconazole resistent protein [Arabidopsis thaliana]'		

Seq. No.	26683	Seq. ID	OJ991015_17.0222.C35
Gene No.	55247	Strand	-
Start	8597	End	10898
Name	OJ991015_17.0222.C35.o2.gp	Method	AAT/GAP
Start	10352	End	10578
GI	3805_1.R1084	Score	376
Exons	10352..10578		
GI Descrip.	'3294467 0.0e+00 (U89341) phosphoglucomutase 1 [Zea mays]'		

Seq. No.	26684	Seq. ID	OJ991015_17.0222.C36
Gene No.	55248	Strand	-
Start	1	End	1312
Name	OJ991015_17.0222.C36.o1.np	Method	AAT/NAP
Start	1	End	653
GI	4185142	Score	56
Exons	1..26, 273..320, 407..653		
GI Descrip.	(AC005724) putative SNF2/RAD54 family DNA repair and recombination protein [Arabidopsis thaliana]		

Seq. No.	26684	Seq. ID	OJ991015_17.0222.C36
Gene No.	55248	Strand	-
Start	1	End	1312
Name	OJ991015_17.0222.C36.o1.gs	Method	GENSCAN
Start	249	End	1312
GI	none	Score	.98
Exons	249..320, 1232..1312		

Seq. No.	26685	Seq. ID	OJ991015_17.0222.C37
Gene No.	55249	Strand	+

Start	119	End	327
Name	OJ991015_17.0222.C37.o1.gs	Method	GENSCAN
Start	119	End	327
GI	none	Score	.67
Exons	119..327		

Seq. No.	26685	Seq. ID	OJ991015_17.0222.C37
Gene No.	55250	Strand	-
Start	843	End	1413
Name	OJ991015_17.0222.C37.o2.gs	Method	GENSCAN
Start	843	End	1413
GI	none	Score	.84
Exons	843..875, 1326..1413		

Seq. No.	26686	Seq. ID	OJ991015_17.0222.C39
Gene No.	55251	Strand	+
Start	18	End	330
Name	OJ991015_17.0222.C39.o1.gs	Method	GENSCAN
Start	18	End	330
GI	none	Score	.68
Exons	18..81, 92..330		

Seq. No.	26687	Seq. ID	OJ991015_17.0222.C40
Gene No.	55252	Strand	+
Start	54	End	195
Name	OJ991015_17.0222.C40.o1.gs	Method	GENSCAN
Start	54	End	195
GI	none	Score	.7
Exons	54..195		

Seq. No.	26688	Seq. ID	OJ991015_17.0222.C41
Gene No.	55253	Strand	-
Start	356	End	574
Name	OJ991015_17.0222.C41.o1.gs	Method	GENSCAN
Start	356	End	574
GI	none	Score	.84
Exons	356..574		

Seq. No.	26689	Seq. ID	OJ991115_05.0203.C2
Gene No.	55254	Strand	+
Start	758	End	1226
Name	OJ991115_05.0203.C2.o1.np	Method	AAT/NAP
Start	758	End	1226
GI	6498458	Score	336
Exons	758..1226		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	26689	Seq. ID	OJ991115_05.0203.C2
Gene No.	55255	Strand	-
Start	360	End	1074
Name	OJ991115_05.0203.C2.o1.gs	Method	GENSCAN
Start	360	End	1074
GI	none	Score	.77
Exons	360..438, 481..525, 665..860, 869..1074		

Seq. No.	26690	Seq. ID	OJ991115_05.0203.C3
Gene No.	55256	Strand	+

Start	76	End	1282
Name	OJ991115_05.0203.C3.o1.gs	Method	GENSCAN
Start	76	End	1282
GI	none	Score	.56
Exons	76..205, 1167..1282		

Seq. No.	26691	Seq. ID	OJ991115_05.0203.C4
Gene No.	55257	Strand	+
Start	3540	End	4965
Name	OJ991115_05.0203.C4.o1.np	Method	AAT/NAP
Start	3540	End	4965
GI	5852084	Score	105
Exons	3540..3581, 4874..4965		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	26691	Seq. ID	OJ991115_05.0203.C4
Gene No.	55258	Strand	-
Start	3700	End	3845
Name	OJ991115_05.0203.C4.o2.gs	Method	GENSCAN
Start	3700	End	3845
GI	none	Score	.75
Exons	3700..3845		

Seq. No.	26692	Seq. ID	OJ991115_05.0203.C5
Gene No.	55259	Strand	+
Start	340	End	704
Name	OJ991115_05.0203.C5.o1.gs	Method	GENSCAN
Start	340	End	704
GI	none	Score	.8
Exons	340..500, 623..704		

Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55260	Strand	+
Start	1751	End	8918
Name	OJ991115_05.0203.C6.o2.gs	Method	GENSCAN
Start	1751	End	3962
GI	none	Score	.68
Exons	1751..1757, 1823..1947, 2933..3093, 3278..3365, 3682..3839, 3881..3962		

Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55260	Strand	+
Start	1751	End	8918
Name	OJ991115_05.0203.C6.o2.gp	Method	AAT/GAP
Start	3692	End	8918
GI	942_1.R1084	Score	3344
Exons	3692..3839, 4304..4527, 4660..4892, 6575..6794, 7357..7738, 7826..7933, 8262..8462, 8547..8645, 8742..8918		
GI Descrip.	'4769012/gb|AAD29719.1|AF143746_1 0.0e+00 (AF143746) CER1 [Oryza sativa]'		

Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55260	Strand	+
Start	1751	End	8918
Name	OJ991115_05.0203.C6.o1.np	Method	AAT/NAP
Start	3780	End	8918
GI	4769012	Score	2686

Exons	3780..3839, 4304..4527, 4660..4892, 6575..6794, 7357..7738, 7826..7933, 8262..8462, 8547..8645, 8742..8918		
GI Descrip.	(AF143746) CER1 [Oryza sativa]		
Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55260	Strand	+
Start	1751	End	8918
Name	OJ991115_05.0203.C6.o4.gs	Method	GENSCAN
Start	7436	End	8918
GI	none	Score	.76
Exons	7436..7738, 7826..7933, 8262..8417, 8547..8645, 8742..8918		
Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55261	Strand	-
Start	141	End	1167
Name	OJ991115_05.0203.C6.o1.gs	Method	GENSCAN
Start	141	End	1167
GI	none	Score	.96
Exons	141..563, 1126..1167		
Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55262	Strand	-
Start	1977	End	2069
Name	OJ991115_05.0203.C6.o1.gp	Method	AAT/GAP
Start	1977	End	2069
GI	5867_1.R1084	Score	132
Exons	1977..2069		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55263	Strand	-
Start	4235	End	8919
Name	OJ991115_05.0203.C6.o3.tm	Method	TBLASTX:Maize
Start	3765	End	4892
GI	none	Score	96
Exons	3765..3845, 3779..3838, 4295..4528, 4303..4518, 4627..4824, 4647..4823, 4661..4891, 4788..4892		
Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55263	Strand	-
Start	4235	End	8919
Name	OJ991115_05.0203.C6.o1.tc	Method	TBLASTX:Cress
Start	3768	End	8918
GI	none	Score	96
Exons	3768..3851, 3780..3848, 4301..4528, 4303..4527, 4660..4752, 4661..4753, 4766..4891, 4788..4889, 6568..6795, 6576..6797, 6585..6797, 7358..7489, 7361..7441, 7363..7461, 7490..7732, 7513..7734, 7820..7960, 7822..7959, 8250..8465, 8276..8422, 8739..8867, 8741..8848, 8844..8918, 8852..8917		
Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6

Gene No.	55263	Strand	-
Start	4235	End	8919
Name	OJ991115_05.0203.C6.o3.gs	Method	GENSCAN
Start	4235	End	6807
GI	none	Score	.85
Exons	4235..4590, 4697..4865, 5338..5459, 5498..5586, 6551..6807		

Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55263	Strand	-
Start	4235	End	8919
Name	OJ991115_05.0203.C6.o2.ts	Method	TBLASTX:Soybean
Start	4393	End	7477
GI	none	Score	175
Exons	4393..4518, 4394..4528, 4627..4824, 4647..4823, 4661..4891, 4788..4892, 6562..6819, 6568..6795, 6675..6809, 7427..7477		

Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55263	Strand	-
Start	4235	End	8919
Name	OJ991115_05.0203.C6.o2.tm	Method	TBLASTX:Maize
Start	6568	End	6806
GI	none	Score	348
Exons	6568..6795, 6574..6786, 6576..6806, 6576..6794, 6653..6796		

Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55263	Strand	-
Start	4235	End	8919
Name	OJ991115_05.0203.C6.o1.ts	Method	TBLASTX:Soybean
Start	7366	End	7915
GI	none	Score	91
Exons	7366..7425, 7367..7426, 7484..7732, 7513..7737, 7820..7915, 7825..7914		

Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55263	Strand	-
Start	4235	End	8919
Name	OJ991115_05.0203.C6.o1.tm	Method	TBLASTX:Maize
Start	7367	End	8919
GI	none	Score	196
Exons	7367..7489, 7367..7447, 7371..7502, 7371..7472, 7489..7737, 7490..7738, 7502..7570, 7509..7667, 7513..7737, 7704..7739, 7721..7744, 7823..7945, 7825..7938, 7826..7960, 7828..7959, 8256..8465, 8259..8468, 8261..8470, 8541..8648, 8546..8647, 8723..8917, 8727..8918, 8740..8919		

Seq. No.	26693	Seq. ID	OJ991115_05.0203.C6
Gene No.	55263	Strand	-
Start	4235	End	8919
Name	OJ991115_05.0203.C6.o3.ts	Method	TBLASTX:Soybean
Start	8259	End	8849
GI	none	Score	193
Exons	8259..8552, 8730..8849		

Seq. No.	26694	Seq. ID	OJ991115_05.0203.C8
Gene No.	55264	Strand	+
Start	3061	End	5126
Name	OJ991115_05.0203.C8.o2.np	Method	AAT/NAP

Start	3061	End	5126
GI	5295951	Score	179
Exons	3061..3285, 4945..5126		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	26694	Seq. ID	OJ991115_05.0203.C8
Gene No.	55265	Strand	-
Start	1	End	2323
Name	OJ991115_05.0203.C8.o1.np	Method	AAT/NAP
Start	1	End	2095
GI	1184077	Score	816
Exons	1..2095		
GI Descrip.	(U42445) Cf-2.2 [Lycopersicon pimpinellifolium]		

Seq. No.	26694	Seq. ID	OJ991115_05.0203.C8
Gene No.	55265	Strand	-
Start	1	End	2323
Name	OJ991115_05.0203.C8.o1.gs	Method	GENSCAN
Start	328	End	2323
GI	none	Score	.94
Exons	328..1900, 1926..2033, 2105..2323		

Seq. No.	26694	Seq. ID	OJ991115_05.0203.C8
Gene No.	55266	Strand	-
Start	3748	End	5015
Name	OJ991115_05.0203.C8.o1.tc	Method	TBLASTX:Cress
Start	299	End	1933
GI	none	Score	65
Exons	299..715, 314..625, 317..979, 317..859, 317..943, 320..1075, 368..979, 392..940, 449..976, 536..598, 536..979, 605..979, 678..980, 680..1159, 750..980, 752..1171, 800..916, 881..979, 1037..1159, 1037..1132, 1040..1162, 1043..1156, 1175..1510, 1175..1438, 1175..1450, 1184..1594, 1184..1582, 1184..1591, 1187..1594, 1256..1594, 1298..1603, 1331..1603, 1383..1496, 1392..1586, 1451..1600, 1610..1930, 1610..1930, 1610..1732, 1619..1930, 1619..1729, 1775..1933		

Seq. No.	26694	Seq. ID	OJ991115_05.0203.C8
Gene No.	55266	Strand	-
Start	3748	End	5015
Name	OJ991115_05.0203.C8.o1.tm	Method	TBLASTX:Maize
Start	314	End	1930
GI	none	Score	42
Exons	314..715, 320..859, 338..979, 410..1075, 767..1156, 1037..1156, 1097..1162, 1169..1591, 1175..1582, 1175..1450, 1205..1603, 1257..1331, 1383..1568, 1490..1600, 1619..1930, 1628..1930		

Seq. No.	26694	Seq. ID	OJ991115_05.0203.C8
Gene No.	55266	Strand	-
Start	3748	End	5015
Name	OJ991115_05.0203.C8.o1.ts	Method	TBLASTX:Soybean
Start	314	End	2015
GI	none	Score	45
Exons	314..652, 314..976, 317..388, 317..724, 317..556, 464..868, 470..979, 530..940, 596..979, 672..761, 677..979, 677..922, 749..979, 822..977, 822..980, 822..980, 857..970, 1037..1156,		

1055..1174, 1106..1156, 1175..1582, 1175..1519, 1175..1567,
1184..1741, 1184..1600, 1248..1331, 1256..1603, 1292..1405,
1311..1412, 1374..1562, 1401..1562, 1469..1591, 1604..1930,
1610..1930, 1619..1882, 1664..1930, 1688..1930, 1775..1933,
1977..2015

Seq. No.	26694	Seq. ID	OJ991115_05.0203.C8
Gene No.	55266	Strand	-
Start	3748	End	5015
Name	OJ991115_05.0203.C8.o2.gs	Method	GENSCAN
Start	3748	End	5015
GI	none	Score	.52
Exons	3748..3847, 4441..4646, 4785..5015		

Seq. No.	26695	Seq. ID	OJ991115_05.0203.C9
Gene No.	55267	Strand	-
Start	4935	End	9545
Name	OJ991115_05.0203.C9.o1.np	Method	AAT/NAP
Start	4935	End	9545
GI	3894393	Score	1264
Exons	4935..5068, 5777..6316, 6404..7661, 7737..8770, 9470..9545		
GI Descrip.	(AF053998) Hcr2-5D [Lycopersicon esculentum]		

Seq. No.	26695	Seq. ID	OJ991115_05.0203.C9
Gene No.	55267	Strand	-
Start	4935	End	9545
Name	OJ991115_05.0203.C9.o1.tw	Method	TBLASTX:Wheat
Start	5919	End	8561
GI	none	Score	311
Exons	5919..6005, 5920..6318, 5932..6306, 6066..6320, 6699..6962, 6918..7154, 7275..7520, 7491..7736, 7710..7964, 7782..8045, 7783..7872, 7926..8126, 8136..8192, 8361..8561		

Seq. No.	26695	Seq. ID	OJ991115_05.0203.C9
Gene No.	55267	Strand	-
Start	4935	End	9545
Name	OJ991115_05.0203.C9.o1.ts	Method	TBLASTX:Soybean
Start	5995	End	8576
GI	none	Score	64
Exons	5995..6246, 6063..6260, 6066..6263, 6066..6248, 6066..6248, 6066..6248, 6066..6242, 6066..6233, 6090..6215, 6135..6260, 6450..6575, 6450..6512, 6474..6575, 6627..7037, 6627..6914, 6627..7157, 6699..7106, 6708..7178, 6759..7448, 6843..7514, 6843..7250, 6888..7508, 6918..7322, 6951..7064, 6990..7394, 6996..7658, 7053..7859, 7056..7466, 7131..7520, 7198..7287, 7203..7601, 7348..7440, 7348..7506, 7381..7506, 7392..7517, 7419..7682, 7581..7709, 7701..8129, 7701..8045, 7701..8093, 7701..7904, 7701..8126, 7710..8267, 7711..7857, 7774..7938, 7782..8129, 7827..7931, 7915..8088, 7927..8088, 7953..8075, 7987..8103, 7995..8117, 7999..8109, 8130..8456, 8136..8255, 8136..8570, 8142..8552, 8190..8567, 8214..8558, 8301..8576, 8310..8573, 8433..8567		

Seq. No.	26695	Seq. ID	OJ991115_05.0203.C9
Gene No.	55267	Strand	-
Start	4935	End	9545
Name	OJ991115_05.0203.C9.o1.tm	Method	TBLASTX:Maize

Start	5995	End	8573
GI	none	Score	79
Exons	5995..6246, 5995..6108, 6063..6248, 6063..6182, 6066..6248, 6120..6257, 6624..7025, 6627..6881, 6768..7169, 6771..6953, 6771..7226, 6843..7091, 6843..7298, 6897..7187, 6933..7085, 6991..7365, 7035..7520, 7056..7313, 7062..7457, 7129..7503, 7131..7379, 7131..7601, 7194..7313, 7194..7394, 7203..7412, 7203..7457, 7275..7709, 7275..7514, 7329..7613, 7345..7506, 7348..7503, 7401..7661, 7410..7682, 7692..7814, 7698..8126, 7698..8114, 7701..8126, 7701..7892, 7710..7976, 7782..8048, 7908..8126, 7921..8094, 8136..8399, 8295..8573, 8295..8552, 8301..8543, 8343..8561, 8352..8570		

Seq. No.	26695	Seq. ID	OJ991115_05.0203.C9
Gene No.	55267	Strand	-
Start	4935	End	9545
Name	OJ991115_05.0203.C9.o1.tc	Method	TBLASTX:Cress
Start	5995	End	8696
GI	none	Score	97
Exons	5995..6222, 6049..6189, 6063..6257, 6063..6257, 6066..6257, 6066..6248, 6066..6248, 6066..6248, 6066..6248, 6066..6248, 6066..6257, 6075..6248, 6141..6248, 6447..6575, 6453..6575, 6616..6678, 6624..7370, 6624..6746, 6624..7169, 6627..7313, 6627..7097, 6771..7469, 6771..6962, 6774..7514, 6774..7151, 6840..7601, 6843..7364, 6844..6951, 6912..7685, 6975..7520, 6984..7709, 6990..7325, 7048..7155, 7113..7175, 7131..7682, 7204..7506, 7263..7658, 7276..7506, 7326..7514, 7461..7667, 7488..7736, 7701..8051, 7701..8120, 7701..8108, 7701..8117, 7704..8108, 7710..7772, 7710..8120, 7710..8126, 7713..8120, 7833..8129, 7851..8129, 7902..8117, 7909..8022, 7918..8112, 8050..8118, 8136..8258, 8136..8255, 8136..8546, 8145..8561, 8145..8552, 8148..8552, 8223..8570, 8295..8561, 8301..8576, 8310..8573, 8343..8552, 8364..8561, 8661..8696		

Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55268	Strand	-
Start	2167	End	3702
Name	OJ991115_05.0203.C10.o1.gs	Method	GENSCAN
Start	2167	End	3702
GI	none	Score	.74
Exons	2167..3702		

Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55268	Strand	-
Start	2167	End	3702
Name	OJ991115_05.0203.C10.o1.np	Method	AAT/NAP
Start	2188	End	3309
GI	6606570	Score	577
Exons	2188..3309		
GI Descrip.	(AF215729) unknown [Glycine max]		

Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55268	Strand	-
Start	2167	End	3702
Name	OJ991115_05.0203.C10.o1.gp	Method	AAT/GAP
Start	3420	End	3589
GI	none	Score	319

Exons	3420..3589		
Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55269	Strand	-
Start	6130	End	8784
Name	OJ991115_05.0203.C10.o1.ts	Method	TBLASTX:Soybean
Start	2314	End	3336
GI	none	Score	91
Exons	2314..2457, 2461..2646, 2500..2646, 2500..2601, 2500..2646, 2734..2826, 2872..2997, 2875..2934, 2893..2937, 3043..3189, 3043..3126, 3052..3153, 3058..3171, 3127..3318, 3196..3336, 3196..3336, 3196..3324, 3196..3306, 3199..3324, 3199..3318, 3199..3300, 3268..3306		
Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55269	Strand	-
Start	6130	End	8784
Name	OJ991115_05.0203.C10.o1.tw	Method	TBLASTX:Wheat
Start	2408	End	3306
GI	none	Score	336
Exons	2408..2827, 2422..2826, 3196..3306		
Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55269	Strand	-
Start	6130	End	8784
Name	OJ991115_05.0203.C10.o1.tc	Method	TBLASTX:Cress
Start	2494	End	3327
GI	none	Score	62
Exons	2494..2628, 2497..2760, 2497..2646, 2497..2544, 2497..2628, 2509..2646, 2551..2646, 2842..2994, 2860..2997, 2860..2997, 2872..2997, 2875..2997, 2884..2997, 2885..3115, 2902..2997, 3043..3168, 3049..3171, 3052..3177, 3064..3168, 3179..3247, 3193..3327, 3196..3327, 3196..3327, 3196..3318, 3196..3318, 3196..3297, 3199..3315, 3265..3324		
Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55269	Strand	-
Start	6130	End	8784
Name	OJ991115_05.0203.C10.o1.tm	Method	TBLASTX:Maize
Start	2497	End	3306
GI	none	Score	471
Exons	2497..2616, 2509..2625, 2601..3074, 2602..3102, 2603..3103, 3049..3234, 3175..3306		
Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55269	Strand	-
Start	6130	End	8784
Name	OJ991115_05.0203.C10.o3.np	Method	AAT/NAP
Start	5899	End	8784
GI	6815109	Score	214
Exons	5899..5918, 6617..6821, 7800..8056, 8308..8665, 8719..8784		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55269	Strand	-
Start	6130	End	8784
Name	OJ991115_05.0203.C10.o4.np	Method	AAT/NAP

Start	6082	End	8784
GI	6815109	Score	215
Exons	6082..6119, 6610..6821, 7800..8056, 8308..8665, 8719..8784		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55269	Strand	-
Start	6130	End	8784
Name	OJ991115_05.0203.C10.o2.gs	Method	GENSCAN
Start	6130	End	8624
GI	none	Score	.53
Exons	6130..6215, 6541..6670, 6723..6929, 7621..7735, 8384..8539, 8566..8624		

Seq. No.	26696	Seq. ID	OJ991115_05.0203.C10
Gene No.	55269	Strand	-
Start	6130	End	8784
Name	OJ991115_05.0203.C10.o2.np	Method	AAT/NAP
Start	6617	End	8784
GI	6815109	Score	210
Exons	6617..6821, 7800..8056, 8308..8665, 8719..8784		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	26697	Seq. ID	OJ991115_05.0203.C11
Gene No.	55270	Strand	+
Start	984	End	1481
Name	OJ991115_05.0203.C11.o1.gp	Method	AAT/GAP
Start	984	End	1481
GI	uC-osf1cyp077g12b1	Score	792
Exons	984..1185, 1270..1481		
GI Descrip.	'4102839 3.0e-45 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	26697	Seq. ID	OJ991115_05.0203.C11
Gene No.	55270	Strand	+
Start	984	End	1481
Name	OJ991115_05.0203.C11.o1.np	Method	AAT/NAP
Start	1050	End	1481
GI	4102839	Score	333
Exons	1050..1188, 1273..1481		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	26697	Seq. ID	OJ991115_05.0203.C11
Gene No.	55270	Strand	+
Start	984	End	1481
Name	OJ991115_05.0203.C11.o1.gs	Method	GENSCAN
Start	1065	End	1475
GI	none	Score	.89
Exons	1065..1475		

Seq. No.	26697	Seq. ID	OJ991115_05.0203.C11
Gene No.	55270	Strand	+
Start	984	End	1481
Name	OJ991115_05.0203.C11.o1.tm	Method	TBLASTX:Maize
Start	1095	End	1439
GI	none	Score	143
Exons	1095..1184, 1097..1183, 1272..1439, 1272..1385, 1280..1435		

Seq. No.	26697	Seq. ID	OJ991115_05.0203.C11
Gene No.	55270	Strand	+
Start	984	End	1481
Name	OJ991115_05.0203.C11.o1.ts	Method	TBLASTX:Soybean
Start	1095	End	1481
GI	none	Score	136
Exons	1095..1184, 1097..1183, 1272..1481, 1272..1385, 1280..1480		

Seq. No.	26697	Seq. ID	OJ991115_05.0203.C11
Gene No.	55270	Strand	+
Start	984	End	1481
Name	OJ991115_05.0203.C11.o1.tc	Method	TBLASTX:Cress
Start	1098	End	1481
GI	none	Score	126
Exons	1098..1193, 1100..1192, 1272..1481, 1272..1385, 1280..1471		

Seq. No.	26697	Seq. ID	OJ991115_05.0203.C11
Gene No.	55270	Strand	+
Start	984	End	1481
Name	OJ991115_05.0203.C11.o1.tw	Method	TBLASTX:Wheat
Start	1098	End	1403
GI	none	Score	101
Exons	1098..1187, 1275..1403, 1298..1393		

Seq. No.	26698	Seq. ID	OJ991115_05.0203.C12
Gene No.	55271	Strand	+
Start	688	End	3227
Name	OJ991115_05.0203.C12.o1.np	Method	AAT/NAP
Start	688	End	3227
GI	6635838	Score	790
Exons	688..723, 2069..3227		
GI Descrip.	(AF213936) amino acid/peptide transporter [Prunus dulcis]		

Seq. No.	26698	Seq. ID	OJ991115_05.0203.C12
Gene No.	55271	Strand	+
Start	688	End	3227
Name	OJ991115_05.0203.C12.o1.gp	Method	AAT/GAP
Start	2068	End	2185
GI	uC-osflcyp077g12b1	Score	196
Exons	2068..2185		
GI Descrip.	'4102839 3.0e-45 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	26698	Seq. ID	OJ991115_05.0203.C12
Gene No.	55271	Strand	+
Start	688	End	3227
Name	OJ991115_05.0203.C12.o1.ts	Method	TBLASTX:Soybean
Start	2068	End	3225
GI	none	Score	602
Exons	2068..2541, 2069..2659, 2701..3225, 2739..3224		

Seq. No.	26698	Seq. ID	OJ991115_05.0203.C12
Gene No.	55271	Strand	+
Start	688	End	3227
Name	OJ991115_05.0203.C12.o1.tc	Method	TBLASTX:Cress
Start	2068	End	3227
GI	none	Score	50
Exons	2068..2130, 2069..2113, 2137..2454, 2156..2557, 2701..3225,		

2796..3227

Seq. No.	26698	Seq. ID	OJ991115_05.0203.C12
Gene No.	55271	Strand	+
Start	688	End	3227
Name	OJ991115_05.0203.C12.o1.gs	Method	GENSCAN
Start	2072	End	3174
GI	none	Score	.81
Exons	2072..2653, 2725..3174		

Seq. No.	26698	Seq. ID	OJ991115_05.0203.C12
Gene No.	55271	Strand	+
Start	688	End	3227
Name	OJ991115_05.0203.C12.o1.tm	Method	TBLASTX:Maize
Start	2137	End	3227
GI	none	Score	131
Exons	2137..2304, 2156..2320, 2297..2353, 2330..2653, 2356..2541, 2701..3225, 2736..3227		

Seq. No.	26698	Seq. ID	OJ991115_05.0203.C12
Gene No.	55271	Strand	+
Start	688	End	3227
Name	OJ991115_05.0203.C12.o2.gp	Method	AAT/GAP
Start	2336	End	2800
GI	uC-osf1M202094c09b1	Score	919
Exons	2336..2800		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	26699	Seq. ID	OJ991115_05.0203.C13
Gene No.	55272	Strand	+
Start	7913	End	9293
Name	OJ991115_05.0203.C13.o1.np	Method	AAT/NAP
Start	7913	End	9293
GI	5922615	Score	80
Exons	7913..7977, 9236..9293		
GI Descrip.	(AP000492) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016848|dbj|BAA85191.1| (AP000570) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26699	Seq. ID	OJ991115_05.0203.C13
Gene No.	55273	Strand	-
Start	1	End	122
Name	OJ991115_05.0203.C13.o1.gp	Method	AAT/GAP
Start	1	End	122
GI	none	Score	232
Exons	1..122		

Seq. No.	26699	Seq. ID	OJ991115_05.0203.C13
Gene No.	55274	Strand	-
Start	967	End	11784
Name	OJ991115_05.0203.C13.o1.gs	Method	GENSCAN
Start	967	End	11784
GI	none	Score	.48
Exons	967..1069, 1375..1493, 1806..1915, 2582..2638, 4685..4905,		

6002..6121, 6803..6975, 8583..8671, 8680..8783, 11513..11784

Seq. No.	26699	Seq. ID	OJ991115_05.0203.C13
Gene No.	55274	Strand	-
Start	967	End	11784
Name	OJ991115_05.0203.C13.o2.np	Method	AAT/NAP
Start	9790	End	10742
GI	5295937	Score	66
Exons	9790..9895, 10547..10742		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	26699	Seq. ID	OJ991115_05.0203.C13
Gene No.	55275	Strand	-
Start	14495	End	16604
Name	OJ991115_05.0203.C13.o2.gs	Method	GENSCAN
Start	14495	End	16604
GI	none	Score	.56
Exons	14495..14599, 14677..15303, 16536..16604		

Seq. No.	26699	Seq. ID	OJ991115_05.0203.C13
Gene No.	55275	Strand	-
Start	14495	End	16604
Name	OJ991115_05.0203.C13.o2.gp	Method	AAT/GAP
Start	14677	End	15219
GI	18284_1.R1084	Score	692
Exons	14677..15094, 15196..15219		
GI Descrip.	'416316/gb|U03445|PRS405 4.0e-20 Yeast integrative vector pRS405 with LEU2 marker, complete sequence'		

Seq. No.	26700	Seq. ID	OJ991115_05.0203.C14
Gene No.	55276	Strand	-
Start	326	End	5038
Name	OJ991115_05.0203.C14.o1.gs	Method	GENSCAN
Start	326	End	1682
GI	none	Score	.49
Exons	326..495, 1616..1682		

Seq. No.	26700	Seq. ID	OJ991115_05.0203.C14
Gene No.	55276	Strand	-
Start	326	End	5038
Name	OJ991115_05.0203.C14.o1.np	Method	AAT/NAP
Start	1565	End	5038
GI	1076802	Score	92
Exons	1565..1626, 2956..3033, 3821..3901, 4260..4415, 4447..5038		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	26700	Seq. ID	OJ991115_05.0203.C14
Gene No.	55276	Strand	-
Start	326	End	5038
Name	OJ991115_05.0203.C14.o2.gs	Method	GENSCAN
Start	1918	End	4618
GI	none	Score	.65
Exons	1918..1993, 3668..3697, 3940..4221, 4308..4618		

Seq. No.	26701	Seq. ID	OJ991115_05.0203.C15

Gene No.	55277	Strand	+
Start	6806	End	9068
Name	OJ991115_05.0203.C15.o2.gs	Method	GENSCAN
Start	6806	End	9068
GI	none	Score	.77
Exons	6806..6927, 7284..7350, 7847..7946, 8920..9068		

Seq. No.	26701	Seq. ID	OJ991115_05.0203.C15
Gene No.	55278	Strand	-
Start	2910	End	3376
Name	OJ991115_05.0203.C15.o1.np	Method	AAT/NAP
Start	2910	End	3376
GI	5922628	Score	214
Exons	2910..3082, 3124..3183, 3251..3376		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26701	Seq. ID	OJ991115_05.0203.C15
Gene No.	55279	Strand	-
Start	11829	End	13192
Name	OJ991115_05.0203.C15.o2.np	Method	AAT/NAP
Start	11829	End	13192
GI	6539571	Score	93
Exons	11829..11918, 12138..12259, 13057..13192		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55280	Strand	+
Start	335	End	5451
Name	OJ991115_05.0203.C16.o1.gs	Method	GENSCAN
Start	335	End	1566
GI	none	Score	.88
Exons	335..339, 481..653, 1529..1566		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55280	Strand	+
Start	335	End	5451
Name	OJ991115_05.0203.C16.o1.np	Method	AAT/NAP
Start	548	End	5433
GI	2651310	Score	1397
Exons	548..653, 3070..3287, 3976..5433		
GI Descrip.	(AC002336) putative PTR2 family peptide transporter [Arabidopsis thaliana]		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55280	Strand	+
Start	335	End	5451
Name	OJ991115_05.0203.C16.o2.gs	Method	GENSCAN
Start	3090	End	5451
GI	none	Score	.91
Exons	3090..3287, 3976..5451		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55280	Strand	+
Start	335	End	5451
Name	OJ991115_05.0203.C16.o1.gp	Method	AAT/GAP

Start	4425	End	4977
GI	LIB3431-054-P1-K1-C11	Score	902
Exons	4425..4470, 4516..4977		
GI Descrip.	'2651310 7.0e-36 (AC002336) putative PTR2-B peptide transporter [Arabidopsis thaliana]'		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55281	Strand	+
Start	7006	End	7158
Name	OJ991115_05.0203.C16.o3.gp	Method	AAT/GAP
Start	7006	End	7158
GI	7406_1.R1084	Score	231
Exons	7006..7158		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55282	Strand	-
Start	5036	End	5536
Name	OJ991115_05.0203.C16.o2.gp	Method	AAT/GAP
Start	5036	End	5536
GI	4184_1.R1084	Score	984
Exons	5036..5536		
GI Descrip.	'2651310 3.0e-20 (AC002336) putative PTR2-B peptide transporter [Arabidopsis thaliana]'		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55283	Strand	-
Start	7015	End	7084
Name	OJ991115_05.0203.C16.o1.ts	Method	TBLASTX:Soybean
Start	589	End	5346
GI	none	Score	88
Exons	589..660, 590..652, 3065..3190, 3069..3284, 3071..3304, 3952..4032, 3975..4031, 4062..4163, 4066..4587, 4203..4433, 4576..4743, 4590..4715, 4747..4998, 4752..4997, 4992..5219, 4996..5244, 5212..5346, 5229..5279		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55283	Strand	-
Start	7015	End	7084
Name	OJ991115_05.0203.C16.o2.tm	Method	TBLASTX:Maize
Start	589	End	3239
GI	none	Score	94
Exons	589..660, 590..652, 3069..3239, 3071..3235, 3168..3239		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55283	Strand	-
Start	7015	End	7084
Name	OJ991115_05.0203.C16.o1.tc	Method	TBLASTX:Cress
Start	593	End	5340
GI	none	Score	79
Exons	593..661, 3074..3316, 3075..3287, 3975..4031, 3976..4032, 4069..4590, 4095..4373, 4582..4743, 4590..4715, 4747..4992, 4995..5174, 4996..5229, 5176..5340		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55283	Strand	-

Start	7015	End	7084
Name	OJ991115_05.0203.C16.o1.tm	Method	TBLASTX:Maize
Start	4069	End	5340
GI	none	Score	140
Exons	4069..4233, 4210..4266, 4270..4575, 4590..4715, 4591..4743, 4747..4989, 4752..4973, 5005..5229, 5007..5207, 5176..5340		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55283	Strand	-
Start	7015	End	7084
Name	OJ991115_05.0203.C16.o1.tw	Method	TBLASTX:Wheat
Start	5017	End	5346
GI	none	Score	153
Exons	5017..5229, 5031..5228, 5218..5346		

Seq. No.	26702	Seq. ID	OJ991115_05.0203.C16
Gene No.	55283	Strand	-
Start	7015	End	7084
Name	OJ991115_05.0203.C16.o3.gs	Method	GENSCAN
Start	7015	End	7084
GI	none	Score	.7
Exons	7015..7084		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55284	Strand	+
Start	1	End	7233
Name	OJ991115_05.0203.C17.o1.np	Method	AAT/NAP
Start	1	End	4979
GI	5441880	Score	3968
Exons	1..608, 1053..1084, 1343..1658, 1971..2121, 2227..2473, 2600..2689, 3276..3574, 3651..3909, 4154..4251, 4498..4630, 4746..4979		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55284	Strand	+
Start	1	End	7233
Name	OJ991115_05.0203.C17.o1.gs	Method	GENSCAN
Start	203	End	5258
GI	none	Score	.52
Exons	203..1778, 1971..2121, 2227..2599, 2774..3184, 3276..3574, 3651..3909, 4002..4122, 4154..4235, 4498..4629, 4693..4740, 4760..4962, 5098..5258		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55284	Strand	+
Start	1	End	7233
Name	OJ991115_05.0203.C17.o1.gp	Method	AAT/GAP
Start	207	End	638
GI	5701669	Score	829
Exons	207..638		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55284	Strand	+
Start	1	End	7233
Name	OJ991115_05.0203.C17.o2.gp	Method	AAT/GAP
Start	3402	End	3901
GI	LIB3475-007-P1-K1-G8	Score	781
Exons	3402..3574, 3651..3901		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55284	Strand	+
Start	1	End	7233
Name	OJ991115_05.0203.C17.o3.gp	Method	AAT/GAP
Start	5083	End	6898
GI	LIB3431-045-P1-N1-A10	Score	813
Exons	5083..5426, 6789..6898		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55284	Strand	+
Start	1	End	7233
Name	OJ991115_05.0203.C17.o2.gs	Method	GENSCAN
Start	5485	End	7233
GI	none	Score	.79
Exons	5485..5487, 5670..5828, 5895..5972, 7111..7233		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55285	Strand	+
Start	7712	End	10278
Name	OJ991115_05.0203.C17.o3.gs	Method	GENSCAN
Start	7712	End	10278
GI	none	Score	.68
Exons	7712..7933, 8011..9157, 9734..9769, 10097..10278		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55286	Strand	+
Start	13792	End	16985
Name	OJ991115_05.0203.C17.o2.np	Method	AAT/NAP
Start	13792	End	16982
GI	2459424	Score	2185
Exons	13792..15189, 15233..15667, 15752..15938, 16033..16982		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55286	Strand	+
Start	13792	End	16985
Name	OJ991115_05.0203.C17.o4.gs	Method	GENSCAN
Start	13792	End	16985
GI	none	Score	1
Exons	13792..15159, 15224..15667, 15752..15938, 16033..16985		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55286	Strand	+
Start	13792	End	16985

Name	OJ991115_05.0203.C17.o5.gp	Method	AAT/GAP
Start	15320	End	16117
GI	43426_1.R1084	Score	1163
Exons	15320..15667, 15752..15938, 16033..16117		
GI Descrip.	'2459424 1.0e-48 (AC002332) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55287	Strand	-
Start	12597	End	12916
Name	OJ991115_05.0203.C17.o4.gp	Method	AAT/GAP
Start	12597	End	12916
GI	5003222	Score	562
Exons	12597..12916		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o7.tm	Method	TBLASTX:Maize
Start	326	End	760
GI	none	Score	265
Exons	326..625, 343..564, 689..760		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o1.tw	Method	TBLASTX:Wheat
Start	458	End	838
GI	none	Score	209
Exons	458..652, 467..664, 658..777, 662..838, 662..808		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o1.ts	Method	TBLASTX:Soybean
Start	7681	End	9180
GI	none	Score	80
Exons	7681..7935, 7711..7833, 7718..7948, 7729..7902, 7730..7903, 8164..8418, 8166..8411, 8173..8346, 8178..8342, 8532..8615, 8553..8573, 8553..8615, 8562..8615, 8582..8617, 8612..8713, 8640..8672, 8649..8699, 8655..8690, 8688..8720, 8694..8825, 8695..8802, 8766..8795, 8783..8854, 8787..8810, 9087..9146, 9127..9180		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o1.tm	Method	TBLASTX:Maize
Start	7705	End	9153
GI	none	Score	122
Exons	7705..7935, 7711..7833, 7718..7936, 7729..7893, 7730..7903, 8011..8073, 8160..8240, 8163..8411, 8164..8418, 8173..8346, 8178..8348, 8308..8418, 8333..8419, 8343..8447, 8456..8578, 8457..8594, 8468..8560, 8553..8603, 8567..8614, 8568..8588, 8570..8881, 8619..8906, 8637..8687, 8649..8690, 8668..8904, 8960..9025, 8964..8990, 9091..9153		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o1.tc	Method	TBLASTX:Cress
Start	7708	End	8411
GI	none	Score	148
Exons	7708..7935, 7718..7846, 7730..7903, 7868..7948, 8163..8411, 8164..8409, 8173..8289		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o9.tm	Method	TBLASTX:Maize
Start	9028	End	10145
GI	none	Score	58
Exons	9028..9183, 9030..9089, 9154..9183, 9170..9238, 9200..9238, 9238..9357, 9257..9358, 9357..9467, 9367..9423, 9395..9472, 9421..9468, 9469..9522, 9474..9515, 9521..9550, 9521..9550, 9522..9551, 9522..9551, 9551..9595, 9551..9598, 9552..9599, 9553..9597, 9737..9796, 9745..9798, 9753..9797, 9795..9848, 9926..9955, 9932..9955, 10048..10074, 10082..10135, 10083..10145		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o2.tc	Method	TBLASTX:Cress
Start	14209	End	14670
GI	none	Score	162
Exons	14209..14427, 14521..14670		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o3.tm	Method	TBLASTX:Maize
Start	14211	End	14571
GI	none	Score	475
Exons	14211..14570, 14212..14571		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o2.ts	Method	TBLASTX:Soybean
Start	14299	End	14679
GI	none	Score	249
Exons	14299..14586, 14307..14564, 14596..14679		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o10.tm	Method	TBLASTX:Maize
Start	14596	End	14829
GI	none	Score	133
Exons	14596..14685, 14622..14729, 14724..14816, 14725..14829		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313

Name	OJ991115_05.0203.C17.o11.tm	Method	TBLASTX:Maize
Start	14890	End	15622
GI	none	Score	67
Exons	14890..14979, 15260..15502, 15328..15501, 15548..15622		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o4.tm	Method	TBLASTX:Maize
Start	15794	End	16232
GI	none	Score	201
Exons	15794..15940, 15800..15940, 16031..16141, 16032..16142, 16178..16231, 16200..16232		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o4.tc	Method	TBLASTX:Cress
Start	15878	End	16979
GI	none	Score	37
Exons	15878..15922, 16032..16097, 16374..16658, 16445..16636, 16854..16979		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o2.tm	Method	TBLASTX:Maize
Start	16233	End	17002
GI	none	Score	84
Exons	16233..16304, 16284..16796, 16430..16804, 16850..17002, 16851..16985		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o5.gs	Method	GENSCAN
Start	17580	End	20748
GI	none	Score	.78
Exons	17580..17799, 18524..18626, 19099..19216, 20665..20748		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o8.tm	Method	TBLASTX:Maize
Start	19064	End	19355
GI	none	Score	45
Exons	19064..19354, 19194..19223, 19248..19355		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o2.tw	Method	TBLASTX:Wheat
Start	19431	End	19768
GI	none	Score	146
Exons	19431..19682, 19433..19768		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17

Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o6.tm	Method	TBLASTX:Maize
Start	19526	End	19990
GI	none	Score	56
Exons	19526..19618, 19527..19616, 19625..19756, 19635..19754, 19777..19989, 19802..19990		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o3.tw	Method	TBLASTX:Wheat
Start	20397	End	20694
GI	none	Score	63
Exons	20397..20480, 20398..20493, 20424..20507, 20476..20580, 20477..20578, 20665..20694		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o5.np	Method	AAT/NAP
Start	20416	End	21313
GI	1209703	Score	212
Exons	20416..20577, 20665..20846, 21287..21313		
GI Descrip.	(U40489) maize gl1 homolog [Arabidopsis thaliana]		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o5.tm	Method	TBLASTX:Maize
Start	20476	End	20845
GI	none	Score	164
Exons	20476..20580, 20477..20584, 20481..20603, 20531..20590, 20665..20817, 20666..20818, 20666..20818, 20819..20845		

Seq. No.	26703	Seq. ID	OJ991115_05.0203.C17
Gene No.	55288	Strand	-
Start	17580	End	21313
Name	OJ991115_05.0203.C17.o3.tc	Method	TBLASTX:Cress
Start	20488	End	20808
GI	none	Score	64
Exons	20488..20580, 20488..20580, 20492..20590, 20665..20730, 20666..20755, 20731..20808		

Seq. No.	26704	Seq. ID	OJ991115_05.0203.C19
Gene No.	55289	Strand	+
Start	421	End	710
Name	OJ991115_05.0203.C19.o1.gs	Method	GENSCAN
Start	421	End	710
GI	none	Score	.98
Exons	421..710		

Seq. No.	26705	Seq. ID	OJ991105_05.0218.C1
Gene No.	55290	Strand	
Start	16	End	655
Name	OJ991105_05.0218.C1.o1.tm	Method	TBLASTX:Maize
Start	16	End	477

GI	none	Score	587
Exons	16..450, 19..444, 243..446, 442..477		

Seq. No.	26705	Seq. ID	OJ991105_05.0218.C1
Gene No.	55290	Strand	
Start	16	End	655
Name	OJ991105_05.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	105	End	505
GI	none	Score	101
Exons	105..143, 154..222, 161..223, 167..223, 182..505, 211..504		

Seq. No.	26705	Seq. ID	OJ991105_05.0218.C1
Gene No.	55290	Strand	
Start	16	End	655
Name	OJ991105_05.0218.C1.o1.tc	Method	TBLASTX:Cress
Start	232	End	655
GI	none	Score	440
Exons	232..654, 233..655, 242..646		

Seq. No.	26705	Seq. ID	OJ991105_05.0218.C1
Gene No.	55290	Strand	
Start	16	End	655
Name	OJ991105_05.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	457	End	655
GI	none	Score	248
Exons	457..654, 458..655		

Seq. No.	26706	Seq. ID	OJ991105_05.0218.C2
Gene No.	55291	Strand	
Start	30	End	1407
Name	OJ991105_05.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	30	End	1407
GI	none	Score	42
Exons	30..62, 31..66, 31..66, 78..149, 82..150, 92..121, 147..806, 153..788, 786..824, 793..1002, 797..1012, 828..1019, 829..999, 836..1000, 985..1407, 988..1371, 989..1399		

Seq. No.	26706	Seq. ID	OJ991105_05.0218.C2
Gene No.	55291	Strand	
Start	30	End	1407
Name	OJ991105_05.0218.C2.o2.tc	Method	TBLASTX:Cress
Start	236	End	713
GI	none	Score	463
Exons	236..703, 237..704, 237..713, 367..711		

Seq. No.	26706	Seq. ID	OJ991105_05.0218.C2
Gene No.	55291	Strand	
Start	30	End	1407
Name	OJ991105_05.0218.C2.o2.ts	Method	TBLASTX:Soybean
Start	288	End	738
GI	none	Score	383
Exons	288..722, 288..722, 364..738		

Seq. No.	26706	Seq. ID	OJ991105_05.0218.C2
Gene No.	55291	Strand	
Start	30	End	1407
Name	OJ991105_05.0218.C2.o1.tc	Method	TBLASTX:Cress

Start	800	End	1407
GI	none	Score	146
Exons	800..988, 825..989, 826..1092, 979..1050, 1037..1093, 1067..1393, 1086..1256, 1087..1371, 1087..1407, 1088..1399		

Seq. No.	26706	Seq. ID	OJ991105_05.0218.C2
Gene No.	55291	Strand	
Start	30	End	1407
Name	OJ991105_05.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	868	End	1407
GI	none	Score	642
Exons	868..1407, 869..1399		

Seq. No.	26706	Seq. ID	OJ991105_05.0218.C2
Gene No.	55291	Strand	
Start	30	End	1407
Name	OJ991105_05.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	955	End	1407
GI	none	Score	593
Exons	955..1407, 956..1399		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55292	Strand	+
Start	3012	End	3469
Name	OJ991105_05.0218.C3.o1.gp	Method	AAT/GAP
Start	3012	End	3469
GI	2231_2.R1084	Score	844
Exons	3012..3469		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o6.tm	Method	TBLASTX:Maize
Start	96	End	350
GI	none	Score	210
Exons	96..245, 97..249, 98..244, 248..313, 249..311, 251..313, 299..349, 299..349, 312..350		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o3.ts	Method	TBLASTX:Soybean
Start	97	End	832
GI	none	Score	147
Exons	97..198, 98..214, 104..202, 566..694, 567..695, 567..692, 568..696, 737..832		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o7.tm	Method	TBLASTX:Maize
Start	350	End	559
GI	none	Score	90
Exons	350..418, 351..422, 352..423, 352..420, 411..467, 421..486, 422..478, 447..557, 452..559, 461..559		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o4.tc	Method	TBLASTX:Cress
Start	552	End	832
GI	none	Score	215
Exons	552..695, 565..708, 565..708, 806..832, 806..832		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o5.tm	Method	TBLASTX:Maize
Start	904	End	1332
GI	none	Score	95
Exons	904..969, 905..970, 906..971, 955..1014, 956..1012, 960..1034, 961..1065, 1040..1069, 1070..1186, 1071..1208, 1088..1210, 1166..1228, 1166..1228, 1235..1330, 1235..1315, 1237..1332, 1237..1332		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o5.tw	Method	TBLASTX:Wheat
Start	1009	End	1564
GI	none	Score	57
Exons	1009..1068, 1040..1069, 1058..1150, 1063..1149, 1071..1151, 1071..1154, 1125..1196, 1143..1184, 1145..1234, 1145..1195, 1154..1228, 1170..1241, 1233..1358, 1235..1348, 1327..1521, 1345..1485, 1374..1496, 1445..1531, 1490..1564, 1491..1559		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o8.tm	Method	TBLASTX:Maize
Start	1334	End	1574
GI	none	Score	181
Exons	1334..1471, 1345..1470, 1345..1473, 1475..1519, 1478..1531, 1480..1521, 1509..1574, 1511..1564		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o6.tw	Method	TBLASTX:Wheat
Start	1565	End	1938
GI	none	Score	44
Exons	1565..1597, 1568..1615, 1573..1614, 1587..1616, 1607..1663, 1617..1664, 1620..1664, 1621..1665, 1622..1666, 1653..1679, 1658..1693, 1664..1786, 1665..1790, 1665..1787, 1666..1791, 1666..1791, 1789..1806, 1818..1934, 1822..1938, 1822..1938		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o2.ts	Method	TBLASTX:Soybean
Start	1816	End	2637
GI	none	Score	1363

Exons	1816..2637, 1830..2636		
Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o2.tc	Method	TBLASTX:Cress
Start	1878	End	2250
GI	none	Score	447
Exons	1878..2249, 1878..2249, 1879..2250		
Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o4.tm	Method	TBLASTX:Maize
Start	2185	End	2612
GI	none	Score	671
Exons	2185..2610, 2190..2612, 2191..2610		
Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o3.tc	Method	TBLASTX:Cress
Start	2333	End	2663
GI	none	Score	521
Exons	2333..2662, 2334..2663, 2338..2661		
Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o2.tw	Method	TBLASTX:Wheat
Start	2404	End	2847
GI	none	Score	43
Exons	2404..2439, 2425..2847, 2431..2847		
Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o1.ts	Method	TBLASTX:Soybean
Start	2845	End	4339
GI	none	Score	1115
Exons	2845..3789, 2845..3360, 3194..3361, 3207..3803, 3409..4302, 3416..4339		
Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o1.tc	Method	TBLASTX:Cress
Start	2865	End	4306
GI	none	Score	903
Exons	2865..3701, 2865..3152, 2869..3360, 3207..3803, 3211..3795, 3409..4305, 3416..4306		
Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o2.tm	Method	TBLASTX:Maize
Start	2906	End	3357

GI	none	Score	754
Exons	2906..3157, 2908..3357, 2909..3355		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o3.tw	Method	TBLASTX:Wheat
Start	3010	End	3408
GI	none	Score	578
Exons	3010..3351, 3011..3406, 3194..3355, 3207..3407, 3211..3408		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	3393	End	3879
GI	none	Score	629
Exons	3393..3800, 3394..3789, 3398..3877, 3409..3879, 3416..3877		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o1.tw	Method	TBLASTX:Wheat
Start	3408	End	4040
GI	none	Score	390
Exons	3408..3701, 3409..3795, 3409..3942, 3416..3943, 3587..3625, 3843..3947, 3849..3962, 3862..3963, 3906..4040, 3923..4039		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o2.gp	Method	AAT/GAP
Start	3565	End	4453
GI	7587_1.R1084	Score	1675
Exons	3565..4453		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o3.tm	Method	TBLASTX:Maize
Start	3880	End	4342
GI	none	Score	668
Exons	3880..4299, 3880..4314, 3881..4315, 4310..4342, 4311..4340		

Seq. No.	26707	Seq. ID	OJ991105_05.0218.C3
Gene No.	55293	Strand	+
Start	3565	End	4453
Name	OJ991105_05.0218.C3.o4.tw	Method	TBLASTX:Wheat
Start	4041	End	4405
GI	none	Score	394
Exons	4041..4340, 4041..4340, 4043..4342, 4311..4394, 4333..4404, 4334..4405		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55294	Strand	+
Start	1	End	1280
Name	OJ991105_05.0218.C4.o1.gp	Method	AAT/GAP
Start	1	End	375
GI	5607533	Score	587
Exons	1..375		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55294	Strand	+
Start	1	End	1280
Name	OJ991105_05.0218.C4.o3.gp	Method	AAT/GAP
Start	2	End	1280
GI	306_9.R1084	Score	239
Exons	2..29, 1106..1280		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55295	Strand	+
Start	5022	End	5133
Name	OJ991105_05.0218.C4.o4.gp	Method	AAT/GAP
Start	5022	End	5133
GI	1036999	Score	198
Exons	5022..5133		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55296	Strand	+
Start	5207	End	5346
Name	OJ991105_05.0218.C4.o5.gp	Method	AAT/GAP
Start	5207	End	5346
GI	LIB3432-021-P1-K1-A3	Score	231
Exons	5207..5346		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome'		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55297	Strand	-
Start	257	End	715
Name	OJ991105_05.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	18	End	595
GI	none	Score	76
Exons	18..74, 18..77, 20..79, 20..79, 68..97, 69..101, 272..319, 363..587, 371..595, 371..583		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55297	Strand	-
Start	257	End	715
Name	OJ991105_05.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	65	End	680
GI	none	Score	77
Exons	65..154, 66..113, 125..163, 252..350, 266..352, 267..350, 271..369, 307..621, 317..622, 351..623, 353..625, 636..680,		

641..679

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55297	Strand	-
Start	257	End	715
Name	OJ991105_05.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	66	End	595
GI	none	Score	45
Exons	66..104, 145..213, 176..208, 274..321, 274..303, 366..590, 371..595, 371..583, 372..584, 379..594		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55297	Strand	-
Start	257	End	715
Name	OJ991105_05.0218.C4.o2.gp	Method	AAT/GAP
Start	257	End	715
GI	45273_1.R1084	Score	850
Exons	257..715		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55298	Strand	
Start	1093	End	1460
Name	OJ991105_05.0218.C4.o6.tm	Method	TBLASTX:Maize
Start	1093	End	1460
GI	none	Score	44
Exons	1093..1119, 1243..1320, 1247..1402, 1250..1405, 1398..1457, 1401..1460		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55299	Strand	
Start	1934	End	2206
Name	OJ991105_05.0218.C4.o3.tm	Method	TBLASTX:Maize
Start	1934	End	2206
GI	none	Score	86
Exons	1934..2002, 1935..2024, 1984..2088, 1992..2129, 1992..2132, 1994..2173, 2121..2204, 2122..2205, 2123..2206		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55300	Strand	
Start	3141	End	3344
Name	OJ991105_05.0218.C4.o5.tm	Method	TBLASTX:Maize
Start	3141	End	3344
GI	none	Score	106
Exons	3141..3215, 3142..3216, 3143..3214, 3201..3344, 3209..3334		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55301	Strand	
Start	4199	End	4471
Name	OJ991105_05.0218.C4.o2.tc	Method	TBLASTX:Cress
Start	4199	End	4336
GI	none	Score	191
Exons	4199..4336, 4199..4336		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55301	Strand	
Start	4199	End	4471

Name	OJ991105_05.0218.C4.o4.tm	Method	TBLASTX:Maize
Start	4205	End	4471
GI	none	Score	250
Exons	4205..4369, 4205..4387, 4206..4388, 4228..4395, 4433..4471		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55302	Strand	
Start	4950	End	5346
Name	OJ991105_05.0218.C4.o2.ts	Method	TBLASTX:Soybean
Start	4950	End	5264
GI	none	Score	59
Exons	4950..5030, 4967..5074, 5096..5125, 5136..5264, 5142..5252		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55302	Strand	
Start	4950	End	5346
Name	OJ991105_05.0218.C4.o3.tc	Method	TBLASTX:Cress
Start	4980	End	5306
GI	none	Score	41
Exons	4980..5030, 4983..5030, 5028..5099, 5096..5143, 5133..5279, 5135..5254, 5145..5306		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55302	Strand	
Start	4950	End	5346
Name	OJ991105_05.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	5057	End	5346
GI	none	Score	79
Exons	5057..5098, 5058..5099, 5073..5144, 5092..5139, 5129..5305, 5133..5306, 5137..5313, 5282..5344, 5284..5346		

Seq. No.	26708	Seq. ID	OJ991105_05.0218.C4
Gene No.	55302	Strand	
Start	4950	End	5346
Name	OJ991105_05.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	5096	End	5294
GI	none	Score	50
Exons	5096..5143, 5097..5144, 5133..5294, 5135..5254, 5145..5288		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55303	Strand	-
Start	2050	End	2180
Name	OJ991105_05.0218.C5.o4.tm	Method	TBLASTX:Maize
Start	1	End	243
GI	none	Score	187
Exons	1..126, 1..126, 118..162, 121..165, 148..237, 154..243		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55303	Strand	-
Start	2050	End	2180
Name	OJ991105_05.0218.C5.o1.tw	Method	TBLASTX:Wheat
Start	25	End	540
GI	none	Score	37
Exons	25..48, 26..46, 49..129, 61..192, 100..180, 276..362, 284..379, 289..366, 344..412, 357..398, 491..532, 493..540		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5

Gene No.	55303	Strand	-
Start	2050	End	2180
Name	OJ991105_05.0218.C5.o8.ts	Method	TBLASTX:Soybean
Start	612	End	749
GI	none	Score	128
Exons	612..740, 627..749		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55303	Strand	-
Start	2050	End	2180
Name	OJ991105_05.0218.C5.o1.gp	Method	AAT/GAP
Start	2050	End	2180
GI	5607624	Score	215
Exons	2050..2180		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55304	Strand	
Start	2102	End	2759
Name	OJ991105_05.0218.C5.o5.tc	Method	TBLASTX:Cress
Start	2102	End	2672
GI	none	Score	38
Exons	2102..2137, 2107..2136, 2154..2228, 2154..2228, 2155..2229, 2279..2551, 2287..2553, 2287..2550, 2289..2552, 2554..2670, 2555..2665, 2565..2672, 2565..2672		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55304	Strand	
Start	2102	End	2759
Name	OJ991105_05.0218.C5.o6.ts	Method	TBLASTX:Soybean
Start	2149	End	2552
GI	none	Score	52
Exons	2149..2253, 2166..2240, 2168..2263, 2257..2550, 2259..2552		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55304	Strand	
Start	2102	End	2759
Name	OJ991105_05.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	2167	End	2565
GI	none	Score	542
Exons	2167..2565, 2169..2564		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55304	Strand	
Start	2102	End	2759
Name	OJ991105_05.0218.C5.o2.tm	Method	TBLASTX:Maize
Start	2566	End	2759
GI	none	Score	304
Exons	2566..2751, 2566..2757, 2568..2756, 2568..2759		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55305	Strand	
Start	2752	End	3748
Name	OJ991105_05.0218.C5.o3.tc	Method	TBLASTX:Cress
Start	2752	End	3112
GI	none	Score	483

Exons	2752..3111, 2754..3068, 2768..3112		
Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55305	Strand	
Start	2752	End	3748
Name	OJ991105_05.0218.C5.o2.ts	Method	TBLASTX:Soybean
Start	2794	End	3625
GI	none	Score	568
Exons	2794..3198, 2796..3068, 2798..3199, 3058..3204, 3199..3348, 3200..3355, 3222..3365, 3369..3623, 3381..3623, 3394..3624, 3407..3625		
Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55305	Strand	
Start	2752	End	3748
Name	OJ991105_05.0218.C5.o6.tc	Method	TBLASTX:Cress
Start	3113	End	3480
GI	none	Score	88
Exons	3113..3238, 3114..3194, 3121..3198, 3178..3360, 3199..3348, 3203..3361, 3204..3365, 3222..3365, 3369..3476, 3369..3476, 3394..3480, 3422..3478		
Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55305	Strand	
Start	2752	End	3748
Name	OJ991105_05.0218.C5.o10.tc	Method	TBLASTX:Cress
Start	3501	End	3748
GI	none	Score	49
Exons	3501..3551, 3511..3552, 3523..3558, 3552..3632, 3553..3642, 3553..3594, 3555..3632, 3643..3675, 3674..3748, 3706..3747		
Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55306	Strand	
Start	3722	End	4266
Name	OJ991105_05.0218.C5.o4.ts	Method	TBLASTX:Soybean
Start	3722	End	4266
GI	none	Score	227
Exons	3722..3901, 3730..3882, 3732..3902, 3745..3912, 3864..4046, 3879..4046, 3883..4068, 4039..4077, 4088..4225, 4092..4244, 4092..4226, 4093..4266, 4099..4263		
Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55306	Strand	
Start	3722	End	4266
Name	OJ991105_05.0218.C5.o7.tc	Method	TBLASTX:Cress
Start	3813	End	4008
GI	none	Score	175
Exons	3813..4007, 3813..4007, 3814..4008		
Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55307	Strand	
Start	4466	End	5271
Name	OJ991105_05.0218.C5.o5.ts	Method	TBLASTX:Soybean
Start	4466	End	4881
GI	none	Score	105
Exons	4466..4693, 4471..4695, 4473..4691, 4710..4838, 4710..4844, 4714..4848, 4715..4858, 4845..4880, 4846..4881		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55307	Strand	
Start	4466	End	5271
Name	OJ991105_05.0218.C5.o5.tm	Method	TBLASTX:Maize
Start	4659	End	5262
GI	none	Score	153
Exons	4659..4898, 4714..5001, 5071..5262		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55307	Strand	
Start	4466	End	5271
Name	OJ991105_05.0218.C5.o8.tc	Method	TBLASTX:Cress
Start	4714	End	5271
GI	none	Score	155
Exons	4714..5001, 4752..4898, 5071..5271, 5163..5270		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55308	Strand	
Start	5184	End	6000
Name	OJ991105_05.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	5184	End	6000
GI	none	Score	214
Exons	5184..5375, 5184..5396, 5185..5517, 5257..5544, 5372..5545, 5526..5645, 5543..5995, 5545..6000, 5546..5995, 5586..5999		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55308	Strand	
Start	5184	End	6000
Name	OJ991105_05.0218.C5.o4.tc	Method	TBLASTX:Cress
Start	5284	End	5683
GI	none	Score	323
Exons	5284..5523, 5290..5523, 5381..5545, 5552..5683, 5554..5682, 5555..5683		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55309	Strand	
Start	5904	End	6073
Name	OJ991105_05.0218.C5.o6.tm	Method	TBLASTX:Maize
Start	5904	End	6073
GI	none	Score	85
Exons	5904..5951, 5906..5959, 5912..5953, 5953..6021, 5954..6019, 6028..6069, 6030..6071, 6038..6073		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55310	Strand	
Start	5978	End	6769
Name	OJ991105_05.0218.C5.o9.tc	Method	TBLASTX:Cress
Start	5978	End	6259
GI	none	Score	270
Exons	5978..6259, 5986..6204		

Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55310	Strand	
Start	5978	End	6769
Name	OJ991105_05.0218.C5.o7.ts	Method	TBLASTX:Soybean
Start	6085	End	6538

GI	none	Score	43
Exons	6085..6144, 6116..6145, 6146..6271, 6146..6220, 6242..6346, 6259..6498, 6268..6453, 6281..6493, 6494..6538, 6497..6535		
Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55310	Strand	
Start	5978	End	6769
Name	OJ991105_05.0218.C5.o2.tc	Method	TBLASTX:Cress
Start	6348	End	6769
GI	none	Score	52
Exons	6348..6395, 6349..6453, 6365..6769, 6404..6769		
Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55311	Strand	
Start	6781	End	7606
Name	OJ991105_05.0218.C5.o1.tc	Method	TBLASTX:Cress
Start	6781	End	7525
GI	none	Score	664
Exons	6781..7221, 6782..7228, 6866..7222, 7275..7523, 7289..7525, 7291..7524		
Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55311	Strand	
Start	6781	End	7606
Name	OJ991105_05.0218.C5.o3.ts	Method	TBLASTX:Soybean
Start	7055	End	7606
GI	none	Score	218
Exons	7055..7222, 7071..7220, 7090..7221, 7263..7592, 7273..7410, 7280..7606, 7291..7602, 7319..7603		
Seq. No.	26709	Seq. ID	OJ991105_05.0218.C5
Gene No.	55311	Strand	
Start	6781	End	7606
Name	OJ991105_05.0218.C5.o3.tm	Method	TBLASTX:Maize
Start	7166	End	7499
GI	none	Score	82
Exons	7166..7222, 7168..7221, 7263..7499, 7273..7410, 7280..7498		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55312	Strand	+
Start	4965	End	5507
Name	OJ991105_05.0218.C6.o2.gp	Method	AAT/GAP
Start	4965	End	5507
GI	42732_1.R1084	Score	1070
Exons	4965..5507		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55313	Strand	+
Start	5548	End	5918
Name	OJ991105_05.0218.C6.o3.gp	Method	AAT/GAP
Start	5548	End	5918
GI	LIB3477-011-P1-K1-C10	Score	734

Exons	5548..5918		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55314	Strand	-
Start	913	End	2577
Name	OJ991105_05.0218.C6.o3.ts	Method	TBLASTX:Soybean
Start	10	End	1971
GI	none	Score	177
Exons	10..135, 11..160, 11..139, 12..140, 147..899, 160..900, 161..907, 371..901, 904..960, 907..1056, 914..1057, 915..1118, 1026..1196, 1051..1194, 1067..1195, 1622..1906, 1623..1904, 1696..1971		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55314	Strand	-
Start	913	End	2577
Name	OJ991105_05.0218.C6.o2.tw	Method	TBLASTX:Wheat
Start	95	End	540
GI	none	Score	634
Exons	95..538, 95..334, 96..539, 96..539, 97..540		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55314	Strand	-
Start	913	End	2577
Name	OJ991105_05.0218.C6.o4.tc	Method	TBLASTX:Cress
Start	240	End	656
GI	none	Score	521
Exons	240..650, 241..654, 246..656		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55314	Strand	-
Start	913	End	2577
Name	OJ991105_05.0218.C6.o6.tc	Method	TBLASTX:Cress
Start	671	End	1186
GI	none	Score	225
Exons	671..889, 672..908, 672..893, 930..1184, 995..1177, 1040..1186		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55314	Strand	-
Start	913	End	2577
Name	OJ991105_05.0218.C6.o1.gp	Method	AAT/GAP
Start	913	End	998
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	913..998		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55314	Strand	-

Start	913	End	2577
Name	OJ991105_05.0218.C6.o7.tm	Method	TBLASTX:Maize
Start	1166	End	1527
GI	none	Score	138
Exons	1166..1288, 1173..1313, 1175..1288, 1182..1289, 1182..1292, 1185..1259, 1186..1233, 1187..1258, 1195..1260, 1203..1259, 1209..1319, 1213..1311, 1217..1264, 1218..1313, 1218..1319, 1222..1323, 1248..1322, 1251..1310, 1255..1341, 1255..1362, 1276..1362, 1291..1359, 1294..1350, 1297..1350, 1303..1401, 1303..1401, 1303..1350, 1303..1350, 1345..1509, 1345..1509, 1351..1506, 1369..1524, 1372..1506, 1380..1424, 1387..1527, 1387..1410, 1396..1527, 1408..1440, 1414..1479, 1428..1472, 1429..1479, 1431..1508, 1432..1518, 1437..1481, 1465..1527, 1485..1523		

Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55314	Strand	-
Start	913	End	2577
Name	OJ991105_05.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	1528	End	2339
GI	none	Score	46
Exons	1528..1566, 1561..1926, 1591..1644, 1593..2339, 1593..1925, 1619..2338, 2001..2339		

Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55314	Strand	-
Start	913	End	2577
Name	OJ991105_05.0218.C6.o7.tc	Method	TBLASTX:Cress
Start	1570	End	1868
GI	none	Score	66
Exons	1570..1677, 1593..1868, 1593..1865, 1622..1867		

Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55314	Strand	-
Start	913	End	2577
Name	OJ991105_05.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	1793	End	2412
GI	none	Score	42
Exons	1793..1864, 1803..1868, 1804..1842, 1806..1865, 1830..2090, 1837..1998, 1991..2410, 1992..2411, 1993..2412		

Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55314	Strand	-
Start	913	End	2577
Name	OJ991105_05.0218.C6.o5.tc	Method	TBLASTX:Cress
Start	1869	End	2577
GI	none	Score	55
Exons	1869..1904, 1903..1992, 1911..1988, 1980..2246, 2006..2227, 2014..2274, 2240..2344, 2240..2347, 2241..2576, 2241..2372, 2430..2567, 2431..2577, 2432..2575		

Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	2646	End	3791
GI	none	Score	47

Exons	2646..2702, 2654..2746, 2808..2864, 2811..2855, 2858..2923, 2859..2933, 2867..2923, 2945..3670, 2946..3677, 2947..3696, 3474..3677, 3598..3696, 3735..3791, 3737..3790		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	2781	End	3856
GI	none	Score	143
Exons	2781..2936, 2802..2936, 2803..2937, 2945..3322, 2945..3670, 2946..3737, 3606..3734, 3607..3738, 3717..3779, 3724..3792, 3724..3792, 3737..3796, 3749..3856		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o8.tm	Method	TBLASTX:Maize
Start	3051	End	3189
GI	none	Score	215
Exons	3051..3188, 3051..3188, 3052..3189		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o4.tm	Method	TBLASTX:Maize
Start	3377	End	3671
GI	none	Score	67
Exons	3377..3466, 3385..3432, 3413..3670, 3414..3671, 3471..3671		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o3.tw	Method	TBLASTX:Wheat
Start	3428	End	3836
GI	none	Score	632
Exons	3428..3835, 3432..3836, 3471..3836		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o2.tm	Method	TBLASTX:Maize
Start	3672	End	4332
GI	none	Score	276
Exons	3672..3845, 3673..3843, 3674..3883, 3840..3872, 3878..3919, 3884..3919, 3927..3992, 3927..3992, 3984..4076, 3992..4054, 3994..4077, 4116..4292, 4126..4311, 4129..4311, 4306..4332, 4306..4332		
Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o3.tc	Method	TBLASTX:Cress
Start	3991	End	4613
GI	none	Score	35
Exons	3991..4011, 3992..4009, 4126..4500, 4128..4502, 4129..4503, 4498..4611, 4500..4613		

Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	4124	End	5830
GI	none	Score	530
Exons	4124..4822, 4126..4815, 4128..4844, 4129..4839, 4397..4849, 5080..5829, 5081..5680, 5735..5830		

Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o3.tm	Method	TBLASTX:Maize
Start	4333	End	4617
GI	none	Score	475
Exons	4333..4617, 4333..4617		

Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o2.tc	Method	TBLASTX:Cress
Start	5069	End	5581
GI	none	Score	58
Exons	5069..5119, 5076..5117, 5107..5556, 5120..5581, 5122..5580		

Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55315	Strand	
Start	2646	End	5830
Name	OJ991105_05.0218.C6.o5.tm	Method	TBLASTX:Maize
Start	5476	End	5738
GI	none	Score	327
Exons	5476..5736, 5476..5682, 5478..5738		

Seq. No.	26710	Seq. ID	OJ991105_05.0218.C6
Gene No.	55316	Strand	
Start	5739	End	6055
Name	OJ991105_05.0218.C6.o6.tm	Method	TBLASTX:Maize
Start	5739	End	6055
GI	none	Score	172
Exons	5739..5861, 5740..5856, 5745..5861, 5848..5982, 5854..5997, 5856..6026, 5873..6010, 5991..6014, 6013..6054, 6014..6055		

Seq. No.	26711	Seq. ID	OJ991105_05.0218.C7
Gene No.	55317	Strand	-
Start	277	End	1317
Name	OJ991105_05.0218.C7.o1.gp	Method	AAT/GAP
Start	277	End	1317
GI	2721_1.R1084	Score	1986
Exons	277..1317		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	26711	Seq. ID	OJ991105_05.0218.C7

Gene No.	55318	Strand	-
Start	1355	End	1832
Name	OJ991105_05.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	1	End	798
GI	none	Score	55
Exons	1..30, 2..31, 7..87, 40..138, 79..141, 107..142, 115..207, 140..211, 141..212, 143..211, 216..257, 216..254, 243..299, 244..300, 253..300, 281..367, 292..663, 294..662, 432..686, 670..714, 672..716, 700..798, 713..796, 715..798		

Seq. No.	26711	Seq. ID	OJ991105_05.0218.C7
Gene No.	55318	Strand	-
Start	1355	End	1832
Name	OJ991105_05.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	156	End	1736
GI	none	Score	44
Exons	156..218, 243..311, 288..575, 301..573, 433..579, 600..668, 1004..1183, 1008..1184, 1008..1184, 1013..1186, 1275..1334, 1277..1348, 1280..1333, 1281..1334, 1340..1393, 1341..1394, 1344..1391, 1379..1432, 1381..1464, 1401..1472, 1425..1469, 1491..1538, 1491..1532, 1493..1540, 1498..1533, 1560..1628, 1563..1634, 1570..1629, 1719..1736		

Seq. No.	26711	Seq. ID	OJ991105_05.0218.C7
Gene No.	55318	Strand	-
Start	1355	End	1832
Name	OJ991105_05.0218.C7.o1.tc	Method	TBLASTX:Cress
Start	267	End	573
GI	none	Score	328
Exons	267..563, 267..383, 268..573, 433..573		

Seq. No.	26711	Seq. ID	OJ991105_05.0218.C7
Gene No.	55318	Strand	-
Start	1355	End	1832
Name	OJ991105_05.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	801	End	1832
GI	none	Score	200
Exons	801..965, 801..902, 893..925, 938..1252, 950..1252, 951..1253, 958..1254, 1212..1337, 1222..1335, 1224..1337, 1337..1429, 1338..1454, 1338..1466, 1339..1476, 1345..1476, 1416..1562, 1458..1562, 1459..1563, 1472..1567, 1555..1632, 1556..1636, 1563..1640, 1593..1703, 1596..1709, 1624..1725, 1647..1832, 1683..1832		

Seq. No.	26711	Seq. ID	OJ991105_05.0218.C7
Gene No.	55318	Strand	-
Start	1355	End	1832
Name	OJ991105_05.0218.C7.o2.tc	Method	TBLASTX:Cress
Start	980	End	1437
GI	none	Score	272
Exons	980..1210, 988..1212, 993..1214, 1007..1216, 1283..1369, 1284..1367, 1286..1369, 1290..1370, 1372..1437, 1378..1434		

Seq. No.	26711	Seq. ID	OJ991105_05.0218.C7
Gene No.	55318	Strand	-
Start	1355	End	1832
Name	OJ991105_05.0218.C7.o1.tw	Method	TBLASTX:Wheat

Start	1185	End	1661
GI	none	Score	183
Exons	1185..1304, 1185..1304, 1301..1348, 1301..1339, 1338..1460, 1338..1460, 1339..1461, 1339..1461, 1435..1545, 1464..1547, 1464..1544, 1465..1545, 1544..1630, 1547..1627, 1548..1634, 1557..1661, 1620..1652, 1624..1659		

Seq. No.	26711	Seq. ID	OJ991105_05.0218.C7
Gene No.	55318	Strand	-
Start	1355	End	1832
Name	OJ991105_05.0218.C7.o2.gp	Method	AAT/GAP
Start	1355	End	1832
GI	2135_1.R1084	Score	952
Exons	1355..1832		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	26712	Seq. ID	OJ991105_05.0218.C8
Gene No.	55319	Strand	+
Start	112	End	960
Name	OJ991105_05.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	16	End	960
GI	none	Score	52
Exons	16..51, 56..619, 67..960, 246..899, 897..956		

Seq. No.	26712	Seq. ID	OJ991105_05.0218.C8
Gene No.	55319	Strand	+
Start	112	End	960
Name	OJ991105_05.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	56	End	567
GI	none	Score	635
Exons	56..553, 70..567, 246..566		

Seq. No.	26712	Seq. ID	OJ991105_05.0218.C8
Gene No.	55319	Strand	+
Start	112	End	960
Name	OJ991105_05.0218.C8.o1.gp	Method	AAT/GAP
Start	112	End	658
GI	5005311	Score	1047
Exons	112..658		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	26712	Seq. ID	OJ991105_05.0218.C8
Gene No.	55319	Strand	+
Start	112	End	960
Name	OJ991105_05.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	112	End	425
GI	none	Score	260
Exons	112..423, 249..293, 354..425		

Seq. No.	26712	Seq. ID	OJ991105_05.0218.C8
Gene No.	55319	Strand	+
Start	112	End	960

Name	OJ991105_05.0218.C8.o2.tc	Method	TBLASTX:Cress
Start	572	End	842
GI	none	Score	57
Exons	572..754, 576..842, 577..834		

Seq. No.	26713	Seq. ID	OJ991105_05.0218.C11
Gene No.	55320	Strand	
Start	1	End	668
Name	OJ991105_05.0218.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	643
GI	none	Score	210
Exons	1..165, 3..158, 251..334, 256..348, 256..336, 347..460, 357..461, 357..473, 461..580, 468..584, 469..585, 469..591, 495..626, 590..643, 591..626		

Seq. No.	26713	Seq. ID	OJ991105_05.0218.C11
Gene No.	55320	Strand	
Start	1	End	668
Name	OJ991105_05.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	668
GI	none	Score	249
Exons	1..162, 3..146, 136..666, 141..668, 144..668		

Seq. No.	26713	Seq. ID	OJ991105_05.0218.C11
Gene No.	55320	Strand	
Start	1	End	668
Name	OJ991105_05.0218.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	647
GI	none	Score	215
Exons	1..132, 3..146, 225..251, 246..317, 259..303, 263..337, 318..344, 378..413, 380..403, 456..584, 466..585, 492..614, 586..627, 587..646, 591..647		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55321	Strand	+
Start	4469	End	4899
Name	OJ991105_05.0218.C12.o2.gp	Method	AAT/GAP
Start	4469	End	4899
GI	uC-osf1cyp021g10b1	Score	766
Exons	4469..4899		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o5.tm	Method	TBLASTX:Maize
Start	1	End	185
GI	none	Score	325
Exons	1..183, 3..185		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-

Start	1265	End	6437
Name	OJ991105_05.0218.C12.o4.tc	Method	TBLASTX:Cress
Start	2	End	194
GI	none	Score	333
Exons	2..187, 3..194		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o5.ts	Method	TBLASTX:Soybean
Start	54	End	1043
GI	none	Score	187
Exons	54..164, 54..170, 55..201, 56..172, 877..1002, 888..1043, 896..1042		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o4.tm	Method	TBLASTX:Maize
Start	525	End	867
GI	none	Score	85
Exons	525..575, 527..604, 528..611, 546..608, 565..615, 588..866, 604..867		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o8.tc	Method	TBLASTX:Cress
Start	668	End	993
GI	none	Score	72
Exons	668..694, 705..758, 811..876, 820..873, 825..875, 848..985, 852..992, 864..992, 877..993		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o2.tm	Method	TBLASTX:Maize
Start	922	End	4200
GI	none	Score	162
Exons	922..1068, 929..1069, 933..1085, 936..1073, 1003..1074, 1113..1193, 1113..1193, 1114..1194, 1115..1195, 1117..1194, 1176..1247, 1189..1242, 1190..1246, 1231..1311, 1244..1348, 1245..1334, 1326..1376, 1326..1373, 1389..1418, 1390..1419, 1414..1530, 1420..1536, 1422..1550, 1512..1625, 1525..1602, 1566..1622, 1572..2051, 1599..2051, 1600..2052, 1717..2052, 3973..4044, 4042..4200		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o1.gp	Method	AAT/GAP
Start	1265	End	1523
GI	uC-osf1M202088b07a1	Score	514
Exons	1265..1523		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o3.ts	Method	TBLASTX:Soybean
Start	1501	End	4125
GI	none	Score	45
Exons	1501..1530, 1583..1912, 1583..1915, 1584..1919, 1602..1919, 3973..4044, 4042..4125		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o5.tc	Method	TBLASTX:Cress
Start	1501	End	1769
GI	none	Score	45
Exons	1501..1530, 1524..1607, 1601..1762, 1601..1768, 1602..1769, 1602..1769		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o3.tc	Method	TBLASTX:Cress
Start	1770	End	4284
GI	none	Score	56
Exons	1770..1841, 1836..1982, 3765..4211, 3765..4214, 3790..4215, 4164..4283, 4165..4284		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o4.ts	Method	TBLASTX:Soybean
Start	1941	End	4370
GI	none	Score	65
Exons	1941..1994, 2061..2177, 4125..4370, 4126..4341, 4275..4370		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o3.tm	Method	TBLASTX:Maize
Start	2061	End	4494
GI	none	Score	74
Exons	2061..2177, 2184..2306, 2192..2284, 4200..4493, 4201..4494, 4201..4494		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o1.tc	Method	TBLASTX:Cress
Start	2072	End	5328
GI	none	Score	1896
Exons	2072..3238, 2073..3275, 4288..4392, 4402..4533, 4704..4856, 4711..4857, 4870..5274, 4920..5270, 5044..5277, 5281..5325, 5299..5328		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437

Name	OJ991105_05.0218.C12.o2.ts	Method	TBLASTX:Soybean
Start	2192	End	4858
GI	none	Score	83
Exons	2192..2305, 2193..2306, 2412..2459, 2462..2632, 2463..2633, 4373..4570, 4383..4856, 4383..4655, 4384..4857, 4598..4858, 4607..4660, 4704..4856, 4705..4857		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	2394	End	6356
GI	none	Score	225
Exons	2394..2633, 2462..2521, 2484..2609, 2561..2632, 2627..3040, 2640..3044, 3066..3110, 3161..3478, 3165..3479, 3297..3479, 3546..3626, 3630..3773, 3657..3755, 4495..4602, 4512..4607, 4513..4593, 4517..4597, 4572..4655, 4573..6105, 4583..4936, 4705..6117, 4893..6146, 5642..6142, 6140..6196, 6144..6197, 6151..6198, 6230..6256, 6240..6257, 6258..6356, 6259..6342		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o1.ts	Method	TBLASTX:Soybean
Start	2639	End	6374
GI	none	Score	415
Exons	2639..2785, 2640..3044, 2939..3040, 3066..3110, 3161..3502, 3165..3479, 3546..3626, 3630..3773, 3666..3755, 3785..3877, 4858..6105, 4858..6105, 4893..6155, 5642..6154, 6228..6374, 6266..6307, 6277..6342		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o2.tc	Method	TBLASTX:Cress
Start	3275	End	5979
GI	none	Score	243
Exons	3275..3478, 3276..3479, 3546..3620, 3630..3761, 3657..3755, 5430..5810, 5431..5811, 5431..5841, 5433..5813, 5642..5818, 5812..5979, 5814..5978		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o7.tc	Method	TBLASTX:Cress
Start	4533	End	4703
GI	none	Score	209
Exons	4533..4655, 4534..4656, 4540..4701, 4544..4678, 4545..4703		

Seq. No.	26714	Seq. ID	OJ991105_05.0218.C12
Gene No.	55322	Strand	-
Start	1265	End	6437
Name	OJ991105_05.0218.C12.o6.tc	Method	TBLASTX:Cress
Start	6021	End	6437
GI	none	Score	130
Exons	6021..6131, 6022..6105, 6246..6377, 6274..6342, 6391..6432, 6396..6437		

Seq. No.	26715	Seq. ID	OJ991105_05.0218.C13
Gene No.	55323	Strand	-
Start	310	End	766
Name	OJ991105_05.0218.C13.o1.tc	Method	TBLASTX:Cress
Start	134	End	766
GI	none	Score	92
Exons	134..205, 135..206, 138..206, 145..210, 337..573, 338..757, 338..766, 381..764, 634..765		

Seq. No.	26715	Seq. ID	OJ991105_05.0218.C13
Gene No.	55323	Strand	-
Start	310	End	766
Name	OJ991105_05.0218.C13.o1.gp	Method	AAT/GAP
Start	310	End	726
GI	LIB3431-040-P1-K2-C1	Score	738
Exons	310..726		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	26715	Seq. ID	OJ991105_05.0218.C13
Gene No.	55323	Strand	-
Start	310	End	766
Name	OJ991105_05.0218.C13.o1.ts	Method	TBLASTX:Soybean
Start	337	End	766
GI	none	Score	186
Exons	337..582, 344..766, 381..764, 634..765		

Seq. No.	26716	Seq. ID	OJ991105_05.0218.C17
Gene No.	55324	Strand	
Start	24	End	1488
Name	OJ991105_05.0218.C17.o1.ts	Method	TBLASTX:Soybean
Start	24	End	1488
GI	none	Score	75
Exons	24..116, 24..143, 119..265, 175..264, 281..307, 384..431, 390..431, 543..998, 561..1130, 568..1107, 568..1134, 578..1132, 1038..1136, 1178..1234, 1390..1488, 1392..1487, 1393..1488		

Seq. No.	26716	Seq. ID	OJ991105_05.0218.C17
Gene No.	55324	Strand	
Start	24	End	1488
Name	OJ991105_05.0218.C17.o1.tc	Method	TBLASTX:Cress
Start	561	End	807
GI	none	Score	367
Exons	561..806, 574..807		

Seq. No.	26716	Seq. ID	OJ991105_05.0218.C17
Gene No.	55324	Strand	
Start	24	End	1488
Name	OJ991105_05.0218.C17.o2.tc	Method	TBLASTX:Cress
Start	808	End	1013
GI	none	Score	316
Exons	808..1011, 810..1013		

Seq. No.	26717	Seq. ID	OJ991105_05.0218.C18
Gene No.	55325	Strand	-
Start	1	End	139
Name	OJ991105_05.0218.C18.o1.gp	Method	AAT/GAP
Start	1	End	139
GI	2798177	Score	210
Exons	1..139		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	26717	Seq. ID	OJ991105_05.0218.C18
Gene No.	55326	Strand	-
Start	922	End	1486
Name	OJ991105_05.0218.C18.o1.tc	Method	TBLASTX:Cress
Start	24	End	356
GI	none	Score	42
Exons	24..83, 56..100, 56..100, 61..102, 83..256, 89..223, 93..257, 97..258, 97..267, 126..281, 258..356, 260..355		

Seq. No.	26717	Seq. ID	OJ991105_05.0218.C18
Gene No.	55326	Strand	-
Start	922	End	1486
Name	OJ991105_05.0218.C18.o3.tm	Method	TBLASTX:Maize
Start	85	End	219
GI	none	Score	158
Exons	85..213, 98..214, 98..214, 100..219, 126..218		

Seq. No.	26717	Seq. ID	OJ991105_05.0218.C18
Gene No.	55326	Strand	-
Start	922	End	1486
Name	OJ991105_05.0218.C18.o2.tm	Method	TBLASTX:Maize
Start	236	End	524
GI	none	Score	188
Exons	236..349, 237..353, 237..353, 352..522, 354..524		

Seq. No.	26717	Seq. ID	OJ991105_05.0218.C18
Gene No.	55326	Strand	-
Start	922	End	1486
Name	OJ991105_05.0218.C18.o1.ts	Method	TBLASTX:Soybean
Start	311	End	563
GI	none	Score	91
Exons	311..403, 312..482, 321..482, 322..483, 462..563, 463..555, 467..556		

Seq. No.	26717	Seq. ID	OJ991105_05.0218.C18
Gene No.	55326	Strand	-
Start	922	End	1486
Name	OJ991105_05.0218.C18.o1.tm	Method	TBLASTX:Maize
Start	525	End	1486
GI	none	Score	83
Exons	525..578, 525..575, 548..631, 549..629, 568..630, 587..658, 642..659, 676..915, 679..900, 923..1201, 939..1202, 943..1203, 951..1001, 975..1253, 986..1264, 1209..1247, 1211..1291, 1299..1343, 1304..1357, 1306..1356, 1376..1486, 1376..1486		

Seq. No.	26717	Seq. ID	OJ991105_05.0218.C18
Gene No.	55326	Strand	-

Start	922	End	1486
Name	OJ991105_05.0218.C18.o2.gp	Method	AAT/GAP
Start	922	End	1312
GI	5003883	Score	782
Exons	922..1312		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	26717	Seq. ID	OJ991105_05.0218.C18
Gene No.	55326	Strand	-
Start	922	End	1486
Name	OJ991105_05.0218.C18.o2.ts	Method	TBLASTX:Soybean
Start	1008	End	1197
GI	none	Score	174
Exons	1008..1193, 1009..1197		

Seq. No.	26717	Seq. ID	OJ991105_05.0218.C18
Gene No.	55326	Strand	-
Start	922	End	1486
Name	OJ991105_05.0218.C18.o1.tw	Method	TBLASTX:Wheat
Start	1299	End	1486
GI	none	Score	45
Exons	1299..1343, 1305..1343, 1306..1356, 1375..1455, 1376..1486, 1376..1486		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55327	Strand	+
Start	865	End	1969
Name	OJ991105_05.0218.C19.o2.gp	Method	AAT/GAP
Start	865	End	1969
GI	2291_1.R1084	Score	2153
Exons	865..1969		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55328	Strand	+
Start	1984	End	3457
Name	OJ991105_05.0218.C19.o3.gp	Method	AAT/GAP
Start	1984	End	3457
GI	3073_1.R1084	Score	2924
Exons	1984..3457		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o1.ts	Method	TBLASTX:Soybean
Start	8	End	3778
GI	none	Score	52

Exons 8..70, 14..67, 15..92, 153..386, 169..531, 169..564, 183..572, 188..574, 435..569, 1797..1937, 1798..2178, 1799..2167, 2182..2289, 2353..2502, 2353..2502, 2412..2507, 2497..2526, 3108..3260, 3112..3345, 3122..3346, 3350..3376, 3351..3374, 3624..3776, 3624..3776, 3625..3777, 3680..3778

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o2.tm	Method	TBLASTX:Maize
Start	8	End	1667
GI	none	Score	261
Exons	8..208, 14..574, 15..569, 1611..1667		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o3.tw	Method	TBLASTX:Wheat
Start	92	End	483
GI	none	Score	80
Exons	92..145, 94..144, 96..149, 99..482, 100..483		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o1.tc	Method	TBLASTX:Cress
Start	101	End	572
GI	none	Score	48
Exons	101..133, 207..272, 252..572, 253..528, 267..566		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o1.gp	Method	AAT/GAP
Start	144	End	591
GI	41109_1.R1084	Score	870
Exons	144..591		
GI Descrip.	'132712/sp|P12138|RK16_ORYSA 4.0e-56 CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 >gi_71250_pir__R5RZ16 ribosomal protein L16 - rice chloroplast >gi_669084_emb_CAA33933_ (X15901) ribosomal protein L16 [Oryza sativa] >gi_226645_prf__1603356BV ribosomal protein L16 [Oryza sativa]'		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o4.tw	Method	TBLASTX:Wheat
Start	515	End	920
GI	none	Score	131
Exons	515..589, 516..590, 560..685, 586..690, 590..685, 595..720, 704..727, 706..729, 728..775, 760..840, 771..833, 887..919, 888..920		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o3.tm	Method	TBLASTX:Maize

Start	884	End	1207
GI	none	Score	352
Exons	884..1132, 885..1133, 894..1133, 895..1188, 1139..1207, 1151..1183		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o2.tc	Method	TBLASTX:Cress
Start	923	End	2157
GI	none	Score	49
Exons	923..964, 931..951, 983..1045, 1001..1045, 1038..1127, 1039..1128, 1042..1134, 1253..1291, 1255..1281, 1277..1321, 1389..1451, 1430..1492, 1603..1644, 1614..1661, 1734..1976, 1741..2112, 1783..2157, 1784..2140		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o2.tw	Method	TBLASTX:Wheat
Start	1007	End	1641
GI	none	Score	202
Exons	1007..1165, 1008..1157, 1009..1185, 1130..1180, 1132..1218, 1133..1219, 1142..1216, 1204..1317, 1213..1320, 1218..1325, 1327..1536, 1333..1446, 1335..1514, 1394..1564, 1404..1574, 1418..1564, 1594..1641, 1608..1640		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o4.tm	Method	TBLASTX:Maize
Start	1248	End	1571
GI	none	Score	59
Exons	1248..1277, 1249..1284, 1249..1281, 1274..1315, 1274..1321, 1279..1536, 1279..1449, 1406..1564, 1407..1514, 1410..1571, 1418..1552, 1504..1563		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o1.tm	Method	TBLASTX:Maize
Start	1711	End	3474
GI	none	Score	37
Exons	1711..1743, 1720..2292, 1722..1940, 1735..2133, 1742..2290, 2185..2292, 2245..2523, 2287..2526, 2506..2940, 2518..2940, 2535..2945, 2958..3026, 2969..3031, 2974..3030, 2976..3080, 3045..3263, 3064..3378, 3073..3342, 3080..3379, 3309..3383, 3315..3383, 3344..3433, 3370..3429, 3372..3473, 3372..3473, 3385..3474		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o1.tw	Method	TBLASTX:Wheat
Start	2193	End	2963
GI	none	Score	137
Exons	2193..2288, 2194..2526, 2194..2523, 2557..2940, 2563..2940,		

2931..2963

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o3.tc	Method	TBLASTX:Cress
Start	2389	End	2904
GI	none	Score	129
Exons	2389..2499, 2396..2500, 2403..2501, 2550..2657, 2572..2868, 2581..2904		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o2.ts	Method	TBLASTX:Soybean
Start	2579	End	2907
GI	none	Score	137
Exons	2579..2869, 2581..2907, 2593..2874		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o4.tc	Method	TBLASTX:Cress
Start	3080	End	3327
GI	none	Score	39
Exons	3080..3106, 3112..3327, 3131..3265, 3139..3324		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o5.tc	Method	TBLASTX:Cress
Start	3485	End	3778
GI	none	Score	82
Exons	3485..3535, 3486..3536, 3486..3563, 3487..3543, 3537..3566, 3537..3566, 3538..3567, 3624..3776, 3625..3777, 3625..3777, 3680..3778		

Seq. No.	26718	Seq. ID	OJ991105_05.0218.C19
Gene No.	55329	Strand	-
Start	144	End	3778
Name	OJ991105_05.0218.C19.o5.tm	Method	TBLASTX:Maize
Start	3658	End	3778
GI	none	Score	175
Exons	3658..3777, 3680..3778		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55330	Strand	
Start	1	End	1800
Name	OJ991105_05.0218.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	1602
GI	none	Score	196
Exons	1..165, 2..166, 3..170, 6..251, 103..171, 825..1034, 827..1075, 830..1075, 904..1077, 1011..1076, 1070..1600, 1079..1600, 1270..1602		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55330	Strand	

Start	1	End	1800
Name	OJ991105_05.0218.C20.o3.tc	Method	TBLASTX:Cress
Start	1	End	251
GI	none	Score	158
Exons	1..165, 2..166, 3..251, 103..171		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55330	Strand	
Start	1	End	1800
Name	OJ991105_05.0218.C20.o3.tw	Method	TBLASTX:Wheat
Start	2	End	219
GI	none	Score	288
Exons	2..217, 3..218, 3..218, 103..219		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55330	Strand	
Start	1	End	1800
Name	OJ991105_05.0218.C20.o3.ts	Method	TBLASTX:Soybean
Start	3	End	825
GI	none	Score	128
Exons	3..110, 3..110, 253..285, 278..322, 279..320, 280..321, 321..500, 323..499, 324..551, 505..582, 506..583, 560..823, 561..824, 575..823, 583..825		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55330	Strand	
Start	1	End	1800
Name	OJ991105_05.0218.C20.o1.ts	Method	TBLASTX:Soybean
Start	111	End	1534
GI	none	Score	90
Exons	111..251, 112..171, 825..1034, 827..1534, 830..1528		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55330	Strand	
Start	1	End	1800
Name	OJ991105_05.0218.C20.o2.tm	Method	TBLASTX:Maize
Start	252	End	601
GI	none	Score	540
Exons	252..596, 252..593, 253..597, 253..594, 254..601		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55330	Strand	
Start	1	End	1800
Name	OJ991105_05.0218.C20.o1.tc	Method	TBLASTX:Cress
Start	506	End	1724
GI	none	Score	251
Exons	506..676, 507..680, 507..701, 583..714, 701..817, 702..821, 825..1034, 827..1540, 830..1540, 1527..1625, 1537..1632, 1545..1631, 1559..1633, 1634..1714, 1638..1724, 1639..1722		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55330	Strand	
Start	1	End	1800
Name	OJ991105_05.0218.C20.o1.tw	Method	TBLASTX:Wheat
Start	1196	End	1572
GI	none	Score	598
Exons	1196..1570, 1196..1570, 1197..1571, 1270..1572		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55330	Strand	
Start	1	End	1800
Name	OJ991105_05.0218.C20.o4.tw	Method	TBLASTX:Wheat
Start	1573	End	1800
GI	none	Score	104
Exons	1573..1632, 1575..1631, 1639..1800, 1654..1800		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55331	Strand	
Start	1954	End	2362
Name	OJ991105_05.0218.C20.o2.tc	Method	TBLASTX:Cress
Start	1954	End	2362
GI	none	Score	61
Exons	1954..1998, 1958..1993, 1985..2146, 1999..2148, 2000..2146, 2133..2228, 2143..2229, 2143..2256, 2144..2230, 2231..2362, 2233..2313, 2240..2320		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55332	Strand	
Start	2310	End	2489
Name	OJ991105_05.0218.C20.o4.ts	Method	TBLASTX:Soybean
Start	2310	End	2489
GI	none	Score	52
Exons	2310..2339, 2312..2335, 2345..2485, 2349..2489		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55333	Strand	
Start	3658	End	4432
Name	OJ991105_05.0218.C20.o2.tw	Method	TBLASTX:Wheat
Start	3658	End	4143
GI	none	Score	92
Exons	3658..3735, 3658..3735, 3737..3793, 3737..3793, 3768..3848, 3773..3850, 3775..3852, 3784..3846, 3800..3865, 3810..3878, 3811..3852, 3838..3858, 3863..3913, 3863..3904, 3864..3956, 3864..3914, 3903..4142, 3903..4142, 3910..4143		

Seq. No.	26719	Seq. ID	OJ991105_05.0218.C20
Gene No.	55333	Strand	
Start	3658	End	4432
Name	OJ991105_05.0218.C20.o2.ts	Method	TBLASTX:Soybean
Start	3939	End	4432
GI	none	Score	684
Exons	3939..4430, 3949..4347, 3951..4430, 4097..4432		

Seq. No.	26720	Seq. ID	OJ991105_05.0218.C21
Gene No.	55334	Strand	
Start	1	End	262
Name	OJ991105_05.0218.C21.o1.tc	Method	TBLASTX:Cress
Start	1	End	262
GI	none	Score	274
Exons	1..258, 1..258, 5..262, 167..262		

Seq. No.	26720	Seq. ID	OJ991105_05.0218.C21
Gene No.	55334	Strand	
Start	1	End	262

Name	OJ991105_05.0218.C21.o1.ts	Method	TBLASTX:Soybean
Start	1	End	261
GI	none	Score	255
Exons	1..261, 1..261		

Seq. No.	26721	Seq. ID	OJ991105_05.0218.C22
Gene No.	55335	Strand	-
Start	1	End	633
Name	OJ991105_05.0218.C22.o1.gp	Method	AAT/GAP
Start	1	End	399
GI	2409_1.R1084	Score	777
Exons	1..399		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	26721	Seq. ID	OJ991105_05.0218.C22
Gene No.	55335	Strand	-
Start	1	End	633
Name	OJ991105_05.0218.C22.o2.tm	Method	TBLASTX:Maize
Start	1	End	633
GI	none	Score	143
Exons	1..132, 2..133, 142..186, 163..216, 168..215, 209..235, 213..236, 266..328, 268..330, 283..330, 302..424, 335..379, 351..473, 358..459, 458..520, 459..518, 515..541, 520..633, 522..632		

Seq. No.	26721	Seq. ID	OJ991105_05.0218.C22
Gene No.	55336	Strand	
Start	541	End	1115
Name	OJ991105_05.0218.C22.o1.ts	Method	TBLASTX:Soybean
Start	541	End	1070
GI	none	Score	137
Exons	541..645, 542..661, 543..629, 544..630, 581..646, 605..691, 613..687, 625..699, 680..814, 698..727, 733..831, 749..823, 750..863, 816..887, 841..909, 869..901, 911..946, 911..946, 1041..1070		

Seq. No.	26721	Seq. ID	OJ991105_05.0218.C22
Gene No.	55336	Strand	
Start	541	End	1115
Name	OJ991105_05.0218.C22.o1.tc	Method	TBLASTX:Cress
Start	562	End	1111
GI	none	Score	88
Exons	562..630, 564..629, 581..631, 590..631, 625..687, 625..702, 626..697, 683..733, 761..823, 764..802, 810..1034, 816..923, 908..973, 1041..1070, 1085..1111		

Seq. No.	26721	Seq. ID	OJ991105_05.0218.C22
Gene No.	55336	Strand	
Start	541	End	1115
Name	OJ991105_05.0218.C22.o1.tm	Method	TBLASTX:Maize
Start	718	End	1115
GI	none	Score	470

Exons	718..1050, 719..1051, 720..1049, 999..1052, 1042..1104, 1046..1108, 1046..1108, 1047..1115, 1047..1115		
Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55337	Strand	+
Start	3070	End	3799
Name	OJ991105_05.0218.C23.o2.gp	Method	AAT/GAP
Start	3070	End	3799
GI	24824_1.R1084	Score	1379
Exons	3070..3799		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		
Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55338	Strand	+
Start	3896	End	4721
Name	OJ991105_05.0218.C23.o3.gp	Method	AAT/GAP
Start	3896	End	4721
GI	14384_1.R1084	Score	1358
Exons	3896..4607, 4693..4721		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		
Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55339	Strand	+
Start	6537	End	7160
Name	OJ991105_05.0218.C23.o4.gp	Method	AAT/GAP
Start	6537	End	7160
GI	7528_2.R1084	Score	1143
Exons	6537..7160		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		
Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55340	Strand	+
Start	8571	End	9012
Name	OJ991105_05.0218.C23.o6.gp	Method	AAT/GAP
Start	8571	End	9012
GI	uC-osf1M202092b08b1	Score	831
Exons	8571..9012		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		
Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55341	Strand	-
Start	2090	End	2606
Name	OJ991105_05.0218.C23.o1.gp	Method	AAT/GAP
Start	2090	End	2606
GI	uC-osf1M202083h12b1	Score	968
Exons	2090..2606		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o13.tm	Method	TBLASTX:Maize
Start	1	End	202
GI	none	Score	156
Exons	1..147, 3..119, 3..152, 137..202		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o1.tc	Method	TBLASTX:Cress
Start	337	End	2327
GI	none	Score	75
Exons	337..507, 432..671, 497..661, 504..665, 592..675, 642..986, 663..986, 1042..1203, 1043..2326, 1044..1664, 1069..2001, 1289..2080, 1749..2327		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o7.tm	Method	TBLASTX:Maize
Start	370	End	754
GI	none	Score	131
Exons	370..507, 371..700, 410..700, 592..717, 685..753, 707..754		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o1.ts	Method	TBLASTX:Soybean
Start	432	End	1728
GI	none	Score	69
Exons	432..986, 433..507, 515..982, 522..986, 1042..1203, 1043..1726, 1044..1664, 1084..1728		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o1.tm	Method	TBLASTX:Maize
Start	858	End	2168
GI	none	Score	67
Exons	858..986, 863..985, 947..1243, 1043..1639, 1044..1628, 1283..1639, 1640..1882, 1658..2149, 1749..2168		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o8.tw	Method	TBLASTX:Wheat
Start	890	End	1270
GI	none	Score	44
Exons	890..985, 891..986, 1043..1270, 1044..1247		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o3.tw	Method	TBLASTX:Wheat

Start	1358	End	2053
GI	none	Score	237
Exons	1358..1639, 1359..1628, 1364..1633, 1658..1720, 1727..1765, 1776..2045, 1790..2053		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o4.ts	Method	TBLASTX:Soybean
Start	1729	End	2814
GI	none	Score	289
Exons	1729..1989, 1730..2080, 1730..2323, 1731..2324, 2758..2814		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o9.tm	Method	TBLASTX:Maize
Start	2168	End	2421
GI	none	Score	261
Exons	2168..2347, 2170..2379, 2370..2399, 2370..2399, 2404..2421		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o4.tw	Method	TBLASTX:Wheat
Start	2197	End	2629
GI	none	Score	215
Exons	2197..2346, 2197..2292, 2199..2336, 2298..2408, 2343..2429, 2344..2418, 2407..2628, 2416..2595, 2420..2629		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o12.tm	Method	TBLASTX:Maize
Start	2422	End	2612
GI	none	Score	199
Exons	2422..2559, 2422..2559, 2423..2584, 2424..2561, 2552..2608, 2556..2612, 2557..2595, 2558..2611		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o8.tm	Method	TBLASTX:Maize
Start	2754	End	3063
GI	none	Score	186
Exons	2754..2876, 2758..2877, 2853..2963, 2862..2918, 2864..2941, 2866..2961, 2867..2971, 2936..3061, 2938..3063, 2980..3063		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o2.tw	Method	TBLASTX:Wheat
Start	2797	End	3482
GI	none	Score	203
Exons	2797..2958, 2799..2942, 2916..3014, 2945..3007, 2970..3044, 3008..3436, 3028..3480, 3028..3480, 3057..3482, 3299..3481		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o3.ts	Method	TBLASTX:Soybean
Start	3037	End	3740
GI	none	Score	1013
Exons	3037..3723, 3037..3738, 3060..3740, 3225..3740		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o4.tc	Method	TBLASTX:Cress
Start	3046	End	3522
GI	none	Score	41
Exons	3046..3078, 3080..3430, 3081..3503, 3082..3522, 3085..3522		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o2.tm	Method	TBLASTX:Maize
Start	3064	End	3810
GI	none	Score	935
Exons	3064..3762, 3075..3758, 3076..3804, 3760..3810, 3763..3810		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o7.tw	Method	TBLASTX:Wheat
Start	3483	End	3665
GI	none	Score	319
Exons	3483..3665, 3484..3663		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o1.tw	Method	TBLASTX:Wheat
Start	3808	End	4560
GI	none	Score	926
Exons	3808..4554, 3809..4510, 3809..4555, 3810..4538, 3814..4560		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o11.tm	Method	TBLASTX:Maize
Start	3813	End	4101
GI	none	Score	205
Exons	3813..4097, 3814..4101, 3818..4096		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o7.tc	Method	TBLASTX:Cress
Start	4046	End	4192
GI	none	Score	164
Exons	4046..4192, 4047..4181		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23

Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o5.tm	Method	TBLASTX:Maize
Start	4155	End	4691
GI	none	Score	310
Exons	4155..4514, 4164..4370, 4177..4524, 4180..4524, 4632..4691, 4636..4689		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o5.tc	Method	TBLASTX:Cress
Start	4275	End	4544
GI	none	Score	353
Exons	4275..4406, 4276..4542, 4276..4542, 4277..4543, 4443..4544		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o14.tm	Method	TBLASTX:Maize
Start	4831	End	5576
GI	none	Score	52
Exons	4831..4863, 4833..4883, 4837..4869, 4858..4890, 4859..4891, 4876..4980, 4876..4962, 4890..4982, 5514..5576		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o5.ts	Method	TBLASTX:Soybean
Start	5580	End	8071
GI	none	Score	140
Exons	5580..5801, 5639..5758, 6261..6398, 6263..6352, 6273..6359, 6274..6360, 6720..6881, 6725..6865, 6869..7072, 6877..6918, 6903..7118, 6903..7115, 7138..7200, 7141..7200, 7149..7205, 7227..7286, 7227..7304, 7600..7668, 7612..7671, 7614..7676, 7693..8067, 7697..8071, 7703..7807, 7723..8070, 7886..8071		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o6.tm	Method	TBLASTX:Maize
Start	6215	End	6645
GI	none	Score	273
Exons	6215..6394, 6221..6394, 6397..6495, 6397..6477, 6398..6511, 6492..6563, 6495..6563, 6497..6583, 6531..6629, 6553..6630, 6556..6645, 6560..6631		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o3.tc	Method	TBLASTX:Cress
Start	6726	End	8067
GI	none	Score	699
Exons	6726..7211, 6728..7216, 6729..7217, 7151..7219, 7198..7287, 7203..7286, 7615..7689, 7689..8048, 7690..8067, 7694..8065		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23

Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o3.tm	Method	TBLASTX:Maize
Start	6884	End	7481
GI	none	Score	46
Exons	6884..6916, 6885..6917, 6895..7302, 6900..7304, 6903..7304, 7390..7413, 7391..7414, 7410..7457, 7411..7458, 7412..7456, 7449..7481, 7453..7473		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55342	Strand	-
Start	7164	End	8071
Name	OJ991105_05.0218.C23.o5.gp	Method	AAT/GAP
Start	7164	End	7701
GI	2653_1.R1084	Score	1052
Exons	7164..7701		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55343	Strand	
Start	8075	End	9716
Name	OJ991105_05.0218.C23.o2.ts	Method	TBLASTX:Soybean
Start	8075	End	9611
GI	none	Score	332
Exons	8075..8392, 8095..8400, 8621..8830, 8627..9610, 8628..9611		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55343	Strand	
Start	8075	End	9716
Name	OJ991105_05.0218.C23.o6.tc	Method	TBLASTX:Cress
Start	8087	End	8304
GI	none	Score	228
Exons	8087..8302, 8089..8304		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55343	Strand	
Start	8075	End	9716
Name	OJ991105_05.0218.C23.o2.tc	Method	TBLASTX:Cress
Start	8305	End	9571
GI	none	Score	91
Exons	8305..8385, 8306..8377, 8607..9407, 8621..8830, 8628..9416, 9513..9569, 9513..9569, 9514..9570, 9521..9571		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55343	Strand	
Start	8075	End	9716
Name	OJ991105_05.0218.C23.o5.tw	Method	TBLASTX:Wheat
Start	8396	End	8822
GI	none	Score	39
Exons	8396..8422, 8397..8432, 8398..8436, 8426..8497, 8427..8498, 8427..8546, 8442..8567, 8482..8694, 8500..8664, 8502..8693, 8594..8695, 8697..8822, 8700..8819, 8702..8821		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55343	Strand	
Start	8075	End	9716

Name	OJ991105_05.0218.C23.o4.tm	Method	TBLASTX:Maize
Start	8448	End	8928
GI	none	Score	58
Exons	8448..8486, 8450..8494, 8483..8830, 8484..8927, 8488..8928		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55343	Strand	
Start	8075	End	9716
Name	OJ991105_05.0218.C23.o10.tm	Method	TBLASTX:Maize
Start	8929	End	9097
GI	none	Score	273
Exons	8929..9096, 8930..9097, 8931..9095		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55343	Strand	
Start	8075	End	9716
Name	OJ991105_05.0218.C23.o9.tw	Method	TBLASTX:Wheat
Start	9154	End	9270
GI	none	Score	205
Exons	9154..9270, 9156..9269, 9157..9270		

Seq. No.	26722	Seq. ID	OJ991105_05.0218.C23
Gene No.	55343	Strand	
Start	8075	End	9716
Name	OJ991105_05.0218.C23.o6.tw	Method	TBLASTX:Wheat
Start	9389	End	9716
GI	none	Score	377
Exons	9389..9652, 9396..9716, 9396..9716		

Seq. No.	26723	Seq. ID	OJ991105_05.0218.C24
Gene No.	55344	Strand	
Start	2	End	483
Name	OJ991105_05.0218.C24.o1.tw	Method	TBLASTX:Wheat
Start	2	End	398
GI	none	Score	602
Exons	2..397, 2..394, 3..398		

Seq. No.	26723	Seq. ID	OJ991105_05.0218.C24
Gene No.	55344	Strand	
Start	2	End	483
Name	OJ991105_05.0218.C24.o1.tc	Method	TBLASTX:Cress
Start	42	End	483
GI	none	Score	66
Exons	42..98, 42..95, 43..99, 44..100, 101..229, 102..230, 102..230, 103..231, 235..483, 237..482		

Seq. No.	26724	Seq. ID	OJ991105_05.0218.C25
Gene No.	55345	Strand	+
Start	792	End	955
Name	OJ991105_05.0218.C25.o2.gp	Method	AAT/GAP
Start	792	End	955
GI	uC-osf1cyp084g07a1	Score	201
Exons	792..955		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	26724	Seq. ID	OJ991105_05.0218.C25

Gene No.	55346	Strand	-
Start	129	End	1002
Name	OJ991105_05.0218.C25.o1.tc	Method	TBLASTX:Cress
Start	1	End	498
GI	none	Score	573
Exons	1..495, 2..487, 4..498		

Seq. No.	26724	Seq. ID	OJ991105_05.0218.C25
Gene No.	55346	Strand	-
Start	129	End	1002
Name	OJ991105_05.0218.C25.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1002
GI	none	Score	559
Exons	1..537, 2..487, 4..525, 514..576, 517..576, 533..577, 858..896, 862..894, 903..956, 904..954, 958..1002		

Seq. No.	26724	Seq. ID	OJ991105_05.0218.C25
Gene No.	55346	Strand	-
Start	129	End	1002
Name	OJ991105_05.0218.C25.o1.tm	Method	TBLASTX:Maize
Start	1	End	492
GI	none	Score	387
Exons	1..492, 11..430, 22..489		

Seq. No.	26724	Seq. ID	OJ991105_05.0218.C25
Gene No.	55346	Strand	-
Start	129	End	1002
Name	OJ991105_05.0218.C25.o1.gp	Method	AAT/GAP
Start	129	End	635
GI	uC-osflcyp011b01b1	Score	987
Exons	129..635		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55347	Strand	+
Start	3047	End	3214
Name	OJ991105_05.0218.C26.o3.gp	Method	AAT/GAP
Start	3047	End	3214
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	3047..3214		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55348	Strand	-
Start	755	End	1307
Name	OJ991105_05.0218.C26.o1.gp	Method	AAT/GAP
Start	755	End	1307
GI	2896_1.R1084	Score	1023
Exons	755..1307		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice		

chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55349	Strand	-
Start	1857	End	1998
Name	OJ991105_05.0218.C26.o4.tc	Method	TBLASTX:Cress
Start	3	End	328
GI	none	Score	136
Exons	3..131, 10..132, 18..131, 131..211, 131..211, 243..323, 245..328, 248..325		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55349	Strand	-
Start	1857	End	1998
Name	OJ991105_05.0218.C26.o2.tc	Method	TBLASTX:Cress
Start	413	End	820
GI	none	Score	424
Exons	413..820, 413..820		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55349	Strand	-
Start	1857	End	1998
Name	OJ991105_05.0218.C26.o2.tm	Method	TBLASTX:Maize
Start	702	End	1017
GI	none	Score	513
Exons	702..1016, 704..1015, 850..1017		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55349	Strand	-
Start	1857	End	1998
Name	OJ991105_05.0218.C26.o1.ts	Method	TBLASTX:Soybean
Start	712	End	1156
GI	none	Score	106
Exons	712..813, 716..1156, 717..1154, 850..1155		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55349	Strand	-
Start	1857	End	1998
Name	OJ991105_05.0218.C26.o1.tc	Method	TBLASTX:Cress
Start	823	End	1373
GI	none	Score	472
Exons	823..1038, 827..1228, 831..1187, 850..1230, 1205..1372, 1226..1366, 1227..1373, 1248..1367		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55349	Strand	-
Start	1857	End	1998
Name	OJ991105_05.0218.C26.o1.tw	Method	TBLASTX:Wheat
Start	834	End	1265
GI	none	Score	508
Exons	834..1187, 836..1264, 836..1264, 1221..1265		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55349	Strand	-
Start	1857	End	1998

Name	OJ991105_05.0218.C26.o5.tm	Method	TBLASTX:Maize
Start	1019	End	1228
GI	none	Score	82
Exons	1019..1084, 1088..1228, 1090..1227		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55349	Strand	-
Start	1857	End	1998
Name	OJ991105_05.0218.C26.o6.tc	Method	TBLASTX:Cress
Start	1550	End	1829
GI	none	Score	200
Exons	1550..1816, 1557..1829		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55349	Strand	-
Start	1857	End	1998
Name	OJ991105_05.0218.C26.o3.tm	Method	TBLASTX:Maize
Start	1708	End	1998
GI	none	Score	311
Exons	1708..1878, 1709..1891, 1869..1997, 1882..1998, 1882..1998		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55349	Strand	-
Start	1857	End	1998
Name	OJ991105_05.0218.C26.o2.gp	Method	AAT/GAP
Start	1857	End	1985
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	1857..1985		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55350	Strand	
Start	1983	End	3825
Name	OJ991105_05.0218.C26.o2.ts	Method	TBLASTX:Soybean
Start	1983	End	2744
GI	none	Score	57
Exons	1983..2024, 2254..2277, 2296..2733, 2296..2487, 2315..2734, 2316..2744, 2316..2735		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55350	Strand	
Start	1983	End	3825
Name	OJ991105_05.0218.C26.o1.tm	Method	TBLASTX:Maize
Start	2211	End	3215
GI	none	Score	1358
Exons	2211..3020, 2232..3014, 3023..3049, 3027..3050, 3050..3082, 3051..3095, 3051..3089, 3082..3213, 3083..3214, 3083..3214, 3150..3215		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55350	Strand	
Start	1983	End	3825
Name	OJ991105_05.0218.C26.o3.tc	Method	TBLASTX:Cress
Start	2296	End	2726
GI	none	Score	226
Exons	2296..2682, 2315..2725, 2316..2726		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55350	Strand	
Start	1983	End	3825
Name	OJ991105_05.0218.C26.o3.ts	Method	TBLASTX:Soybean
Start	2746	End	3795
GI	none	Score	199
Exons	2746..2895, 2748..2903, 2748..2903, 3054..3098, 3054..3080, 3081..3257, 3083..3259, 3100..3234, 3101..3262, 3310..3375, 3315..3368, 3316..3375, 3458..3529, 3470..3562, 3471..3563, 3504..3569, 3559..3612, 3566..3634, 3569..3613, 3624..3668, 3630..3707, 3670..3711, 3680..3706, 3737..3787, 3745..3795		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55350	Strand	
Start	1983	End	3825
Name	OJ991105_05.0218.C26.o4.tm	Method	TBLASTX:Maize
Start	3216	End	3404
GI	none	Score	227
Exons	3216..3374, 3217..3372, 3376..3402, 3378..3404		

Seq. No.	26725	Seq. ID	OJ991105_05.0218.C26
Gene No.	55350	Strand	
Start	1983	End	3825
Name	OJ991105_05.0218.C26.o5.tc	Method	TBLASTX:Cress
Start	3314	End	3825
GI	none	Score	59
Exons	3314..3358, 3387..3431, 3387..3428, 3467..3529, 3468..3611, 3514..3612, 3575..3613, 3618..3704, 3629..3703, 3740..3787, 3741..3800, 3790..3825, 3793..3822		

Seq. No.	26726	Seq. ID	OJ991105_05.0218.C27
Gene No.	55351	Strand	-
Start	1235	End	1520
Name	OJ991105_05.0218.C27.o1.tc	Method	TBLASTX:Cress
Start	195	End	1128
GI	none	Score	252
Exons	195..293, 338..499, 351..515, 351..515, 527..619, 596..643, 910..1128, 911..1111		

Seq. No.	26726	Seq. ID	OJ991105_05.0218.C27
Gene No.	55351	Strand	-
Start	1235	End	1520
Name	OJ991105_05.0218.C27.o1.ts	Method	TBLASTX:Soybean
Start	338	End	1151
GI	none	Score	257
Exons	338..499, 342..515, 347..517, 351..515, 527..589, 577..648, 584..646, 596..640, 898..1128, 911..1114, 911..1141, 987..1151		

Seq. No.	26726	Seq. ID	OJ991105_05.0218.C27
Gene No.	55351	Strand	-
Start	1235	End	1520
Name	OJ991105_05.0218.C27.o1.tm	Method	TBLASTX:Maize
Start	940	End	1287
GI	none	Score	306
Exons	940..1176, 940..1134, 944..1144, 978..1187, 1194..1277, 1219..1287		

Seq. No.	26726	Seq. ID	OJ991105_05.0218.C27
Gene No.	55351	Strand	-
Start	1235	End	1520
Name	OJ991105_05.0218.C27.o1.gp	Method	AAT/GAP
Start	1235	End	1520
GI	uC-osflm202104g03b1	Score	568
Exons	1235..1520		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		

Seq. No.	26727	Seq. ID	OJ991105_05.0218.C28
Gene No.	55352	Strand	
Start	427	End	1332
Name	OJ991105_05.0218.C28.o1.tm	Method	TBLASTX:Maize
Start	427	End	1170
GI	none	Score	351
Exons	427..642, 433..639, 434..640, 600..707, 637..708, 638..706, 694..723, 704..757, 705..731, 726..758, 773..943, 774..944, 775..945, 775..945, 939..1025, 941..1024, 994..1143, 998..1138, 1012..1170, 1020..1145		

Seq. No.	26727	Seq. ID	OJ991105_05.0218.C28
Gene No.	55352	Strand	
Start	427	End	1332
Name	OJ991105_05.0218.C28.o1.ts	Method	TBLASTX:Soybean
Start	486	End	701
GI	none	Score	219
Exons	486..641, 487..642, 493..642, 636..701		

Seq. No.	26727	Seq. ID	OJ991105_05.0218.C28
Gene No.	55352	Strand	
Start	427	End	1332
Name	OJ991105_05.0218.C28.o1.tc	Method	TBLASTX:Cress
Start	501	End	843
GI	none	Score	172
Exons	501..626, 502..636, 505..615, 636..701, 636..698, 757..843, 776..841		

Seq. No.	26727	Seq. ID	OJ991105_05.0218.C28
Gene No.	55352	Strand	
Start	427	End	1332
Name	OJ991105_05.0218.C28.o1.tw	Method	TBLASTX:Wheat
Start	736	End	1332
GI	none	Score	168
Exons	736..912, 737..907, 900..1013, 900..1025, 901..1026, 902..1021, 1009..1059, 1011..1058, 1012..1059, 1062..1145, 1063..1140, 1099..1164, 1138..1179, 1203..1328, 1203..1325, 1204..1332, 1232..1327		

Seq. No.	26728	Seq. ID	OJ991105_05.0218.C29
Gene No.	55353	Strand	-
Start	378	End	710
Name	OJ991105_05.0218.C29.o1.tc	Method	TBLASTX:Cress
Start	81	End	330

GI	none	Score	162
Exons	81..317, 90..317, 136..330, 188..319, 199..330		

Seq. No.	26728	Seq. ID	OJ991105_05.0218.C29
Gene No.	55353	Strand	-
Start	378	End	710
Name	OJ991105_05.0218.C29.o1.ts	Method	TBLASTX:Soybean
Start	81	End	710
GI	none	Score	452
Exons	81..659, 81..710, 88..705		

Seq. No.	26728	Seq. ID	OJ991105_05.0218.C29
Gene No.	55353	Strand	-
Start	378	End	710
Name	OJ991105_05.0218.C29.o1.tm	Method	TBLASTX:Maize
Start	279	End	710
GI	none	Score	525
Exons	279..707, 279..710, 280..708		

Seq. No.	26728	Seq. ID	OJ991105_05.0218.C29
Gene No.	55353	Strand	-
Start	378	End	710
Name	OJ991105_05.0218.C29.o1.gp	Method	AAT/GAP
Start	378	End	710
GI	2798177	Score	593
Exons	378..710		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	26728	Seq. ID	OJ991105_05.0218.C29
Gene No.	55353	Strand	-
Start	378	End	710
Name	OJ991105_05.0218.C29.o2.tc	Method	TBLASTX:Cress
Start	573	End	710
GI	none	Score	116
Exons	573..710, 575..700, 577..705		

Seq. No.	26729	Seq. ID	OJ991115_07.0218.C1
Gene No.	55354	Strand	+
Start	6719	End	8545
Name	OJ991115_07.0218.C1.o2.gs	Method	GENSCAN
Start	6719	End	8545
GI	none	Score	.7
Exons	6719..6749, 7463..7549, 8460..8545		

Seq. No.	26729	Seq. ID	OJ991115_07.0218.C1
Gene No.	55355	Strand	+
Start	11938	End	12617
Name	OJ991115_07.0218.C1.o3.gs	Method	GENSCAN
Start	11938	End	12617
GI	none	Score	.59
Exons	11938..12071, 12167..12617		

Seq. No.	26729	Seq. ID	OJ991115_07.0218.C1
Gene No.	55356	Strand	-
Start	3812	End	4453
Name	OJ991115_07.0218.C1.o1.gs	Method	GENSCAN

Start	3812	End	4453
GI	none	Score	.6
Exons	3812..4453		

Seq. No.	26730	Seq. ID	OJ991115_07.0218.C2
Gene No.	55357	Strand	+
Start	2450	End	3505
Name	OJ991115_07.0218.C2.o1.gs	Method	GENSCAN
Start	2450	End	3505
GI	none	Score	.57
Exons	2450..2541, 2687..2774, 3435..3505		

Seq. No.	26731	Seq. ID	OJ991115_07.0218.C5
Gene No.	55358	Strand	+
Start	1	End	1718
Name	OJ991115_07.0218.C5.o1.np	Method	AAT/NAP
Start	1	End	1718
GI	5902400	Score	866
Exons	1..76, 296..472, 560..891, 972..1098, 1211..1372, 1477..1718		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	26731	Seq. ID	OJ991115_07.0218.C5
Gene No.	55358	Strand	+
Start	1	End	1718
Name	OJ991115_07.0218.C5.o1.gs	Method	GENSCAN
Start	137	End	1689
GI	none	Score	.59
Exons	137..472, 560..686, 1043..1098, 1211..1369, 1471..1689		

Seq. No.	26731	Seq. ID	OJ991115_07.0218.C5
Gene No.	55358	Strand	+
Start	1	End	1718
Name	OJ991115_07.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	272	End	897
GI	none	Score	81
Exons	272..379, 275..376, 276..380, 340..471, 350..478, 350..472, 557..895, 559..897		

Seq. No.	26731	Seq. ID	OJ991115_07.0218.C5
Gene No.	55358	Strand	+
Start	1	End	1718
Name	OJ991115_07.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	557	End	1022
GI	none	Score	515
Exons	557..913, 559..891, 973..1020, 975..1022		

Seq. No.	26731	Seq. ID	OJ991115_07.0218.C5
Gene No.	55358	Strand	+
Start	1	End	1718
Name	OJ991115_07.0218.C5.o1.tc	Method	TBLASTX:Cress
Start	566	End	1071
GI	none	Score	121
Exons	566..655, 568..645, 656..895, 656..889, 667..891, 973..1071		

Seq. No.	26731	Seq. ID	OJ991115_07.0218.C5
Gene No.	55358	Strand	+
Start	1	End	1718

Name	OJ991115_07.0218.C5.o2.tm	Method	TBLASTX:Maize
Start	972	End	1379
GI	none	Score	111
Exons	972..1097, 972..1097, 973..1101, 1205..1375, 1208..1372, 1209..1379, 1209..1376		

Seq. No.	26732	Seq. ID	OJ991115_07.0218.C6
Gene No.	55359	Strand	+
Start	1	End	2743
Name	OJ991115_07.0218.C6.o1.gp	Method	AAT/GAP
Start	1	End	349
GI	uC-osf1M202062d03b1	Score	694
Exons	1..349		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	26732	Seq. ID	OJ991115_07.0218.C6
Gene No.	55359	Strand	+
Start	1	End	2743
Name	OJ991115_07.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	1855
GI	5902400	Score	1299
Exons	1..1081, 1179..1436, 1604..1855		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	26732	Seq. ID	OJ991115_07.0218.C6
Gene No.	55359	Strand	+
Start	1	End	2743
Name	OJ991115_07.0218.C6.o1.gs	Method	GENSCAN
Start	56	End	2743
GI	none	Score	.55
Exons	56..59, 108..1081, 1179..1436, 1604..1834, 2456..2743		

Seq. No.	26732	Seq. ID	OJ991115_07.0218.C6
Gene No.	55359	Strand	+
Start	1	End	2743
Name	OJ991115_07.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	161	End	1779
GI	none	Score	47
Exons	161..199, 162..200, 205..675, 206..661, 670..1083, 671..1084, 671..1084, 672..1085, 1175..1435, 1175..1435, 1176..1439, 1176..1460, 1177..1440, 1598..1777, 1607..1777, 1609..1779, 1681..1779		

Seq. No.	26732	Seq. ID	OJ991115_07.0218.C6
Gene No.	55359	Strand	+
Start	1	End	2743
Name	OJ991115_07.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	236	End	625
GI	none	Score	57
Exons	236..298, 295..507, 302..508, 524..625		

Seq. No.	26732	Seq. ID	OJ991115_07.0218.C6
Gene No.	55359	Strand	+
Start	1	End	2743
Name	OJ991115_07.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	779	End	1071

GI	none	Score	376
Exons	779..1069, 779..1036, 784..1071		

Seq. No.	26732	Seq. ID	OJ991115_07.0218.C6
Gene No.	55359	Strand	+
Start	1	End	2743
Name	OJ991115_07.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	779	End	1852
GI	none	Score	435
Exons	779..1084, 784..1083, 1175..1300, 1176..1319, 1302..1433, 1305..1436, 1316..1435, 1613..1852, 1693..1851		

Seq. No.	26732	Seq. ID	OJ991115_07.0218.C6
Gene No.	55359	Strand	+
Start	1	End	2743
Name	OJ991115_07.0218.C6.o2.gp	Method	AAT/GAP
Start	804	End	1052
GI	568619	Score	490
Exons	804..1052		
GI Descrip.	5902400/gb|AAD55502.1|AC008148_12 1.0e-32 (AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	26732	Seq. ID	OJ991115_07.0218.C6
Gene No.	55359	Strand	+
Start	1	End	2743
Name	OJ991115_07.0218.C6.o2.tc	Method	TBLASTX:Cress
Start	1175	End	1717
GI	none	Score	141
Exons	1175..1318, 1176..1319, 1305..1439, 1316..1435, 1320..1457, 1321..1446, 1598..1717		

Seq. No.	26733	Seq. ID	OJ991115_07.0218.C7
Gene No.	55360	Strand	+
Start	946	End	1142
Name	OJ991115_07.0218.C7.o1.gs	Method	GENSCAN
Start	946	End	1142
GI	none	Score	.95
Exons	946..1142		

Seq. No.	26733	Seq. ID	OJ991115_07.0218.C7
Gene No.	55361	Strand	+
Start	3877	End	8742
Name	OJ991115_07.0218.C7.o2.gs	Method	GENSCAN
Start	3877	End	8742
GI	none	Score	.71
Exons	3877..3930, 3999..4442, 6036..6089, 6143..6572, 6621..6726, 6889..7015, 7773..7830, 8657..8742		

Seq. No.	26733	Seq. ID	OJ991115_07.0218.C7
Gene No.	55361	Strand	+
Start	3877	End	8742
Name	OJ991115_07.0218.C7.o1.np	Method	AAT/NAP
Start	3880	End	4469
GI	629769	Score	631
Exons	3880..3930, 3999..4469		
GI Descrip.	histone-like DNA-binding protein PF 1 - oat (strain Gary) gi|454279 (L24391) DNA-binding protein [Avena sativa]		

Seq. No.	26733	Seq. ID	OJ991115_07.0218.C7
Gene No.	55361	Strand	+
Start	3877	End	8742
Name	OJ991115_07.0218.C7.o1.gp	Method	AAT/GAP
Start	4548	End	4828
GI	3762147	Score	466
Exons	4548..4828		

Seq. No.	26733	Seq. ID	OJ991115_07.0218.C7
Gene No.	55362	Strand	-
Start	6396	End	7221
Name	OJ991115_07.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	3996	End	4187
GI	none	Score	205
Exons	3996..4187, 4037..4174		

Seq. No.	26733	Seq. ID	OJ991115_07.0218.C7
Gene No.	55362	Strand	-
Start	6396	End	7221
Name	OJ991115_07.0218.C7.o2.np	Method	AAT/NAP
Start	6396	End	7221
GI	6016874	Score	96
Exons	6396..6619, 7055..7151, 7185..7221		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	26734	Seq. ID	OJ991115_07.0218.C10
Gene No.	55363	Strand	+
Start	3482	End	13158
Name	OJ991115_07.0218.C10.o1.gs	Method	GENSCAN
Start	3482	End	8948
GI	none	Score	.8
Exons	3482..3767, 4170..4402, 4483..4757, 4872..4956, 5045..5402, 5525..5582, 5686..5828, 5917..5984, 8460..8948		

Seq. No.	26734	Seq. ID	OJ991115_07.0218.C10
Gene No.	55363	Strand	+
Start	3482	End	13158
Name	OJ991115_07.0218.C10.o1.gp	Method	AAT/GAP
Start	3512	End	4345
GI	none	Score	724
Exons	3512..3718, 4155..4345		

Seq. No.	26734	Seq. ID	OJ991115_07.0218.C10
Gene No.	55363	Strand	+
Start	3482	End	13158
Name	OJ991115_07.0218.C10.o2.gp	Method	AAT/GAP
Start	5185	End	6349
GI	none	Score	1787
Exons	5185..5402, 5525..5582, 5686..6349		

Seq. No.	26734	Seq. ID	OJ991115_07.0218.C10
Gene No.	55363	Strand	+
Start	3482	End	13158
Name	OJ991115_07.0218.C10.o1.tm	Method	TBLASTX:Maize

Start	5351	End	5908
GI	none	Score	56
Exons	5351..5407, 5523..5588, 5524..5583, 5683..5811, 5684..5812, 5798..5866, 5800..5865, 5854..5886, 5858..5908		

Seq. No.	26734	Seq. ID	OJ991115_07.0218.C10
Gene No.	55363	Strand	+
Start	3482	End	13158
Name	OJ991115_07.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	5523	End	5901
GI	none	Score	88
Exons	5523..5582, 5524..5583, 5684..5776, 5764..5853, 5765..5866, 5860..5901		

Seq. No.	26734	Seq. ID	OJ991115_07.0218.C10
Gene No.	55363	Strand	+
Start	3482	End	13158
Name	OJ991115_07.0218.C10.o1.np	Method	AAT/NAP
Start	8801	End	13158
GI	514324	Score	182
Exons	8801..9048, 9721..9811, 9934..10051, 10563..10648, 11294..11468, 11851..11948, 12038..12128, 13102..13158		
GI Descrip.	(L34773) RNA polymerase subunit [Arabidopsis thaliana] gi|2462755 (AC002292) RNA polymerase subunit (isoform B) [Arabidopsis thaliana] gi|1586550|prf||2204246B RNA polymerase [Arabidopsis thaliana]		

Seq. No.	26735	Seq. ID	OJ991115_07.0218.C11
Gene No.	55364	Strand	+
Start	1	End	1274
Name	OJ991115_07.0218.C11.o1.np	Method	AAT/NAP
Start	1	End	1274
GI	5902400	Score	729
Exons	1..137, 224..377, 454..792, 1181..1274		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	26735	Seq. ID	OJ991115_07.0218.C11
Gene No.	55364	Strand	+
Start	1	End	1274
Name	OJ991115_07.0218.C11.o2.tm	Method	TBLASTX:Maize
Start	1	End	284
GI	none	Score	78
Exons	1..75, 3..74, 60..161, 61..159, 61..162, 222..284		

Seq. No.	26735	Seq. ID	OJ991115_07.0218.C11
Gene No.	55364	Strand	+
Start	1	End	1274
Name	OJ991115_07.0218.C11.o1.ts	Method	TBLASTX:Soybean
Start	2	End	557
GI	none	Score	118
Exons	2..133, 3..119, 3..161, 4..159, 221..379, 222..377, 435..557, 444..548, 445..555		

Seq. No.	26735	Seq. ID	OJ991115_07.0218.C11
Gene No.	55364	Strand	+
Start	1	End	1274
Name	OJ991115_07.0218.C11.o1.tc	Method	TBLASTX:Cress

Start	78	End	588
GI	none	Score	65
Exons	78..161, 79..159, 191..409, 222..377, 435..533, 445..555, 550..588		

Seq. No.	26735	Seq. ID	OJ991115_07.0218.C11
Gene No.	55364	Strand	+
Start	1	End	1274
Name	OJ991115_07.0218.C11.o1.gs	Method	GENSCAN
Start	79	End	690
GI	none	Score	.6
Exons	79..137, 224..377, 454..690		

Seq. No.	26735	Seq. ID	OJ991115_07.0218.C11
Gene No.	55364	Strand	+
Start	1	End	1274
Name	OJ991115_07.0218.C11.o2.tc	Method	TBLASTX:Cress
Start	589	End	1273
GI	none	Score	125
Exons	589..708, 678..794, 700..801, 751..810, 1180..1272, 1181..1273		

Seq. No.	26735	Seq. ID	OJ991115_07.0218.C11
Gene No.	55364	Strand	+
Start	1	End	1274
Name	OJ991115_07.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	621	End	1273
GI	none	Score	166
Exons	621..797, 625..801, 629..793, 630..794, 1180..1272, 1181..1273		

Seq. No.	26736	Seq. ID	OJ991115_07.0218.C14
Gene No.	55365	Strand	+
Start	718	End	2996
Name	OJ991115_07.0218.C14.o1.gs	Method	GENSCAN
Start	718	End	2996
GI	none	Score	.78
Exons	718..916, 1009..1141, 1753..1838, 2349..2452, 2955..2996		

Seq. No.	26736	Seq. ID	OJ991115_07.0218.C14
Gene No.	55366	Strand	+
Start	4239	End	12974
Name	OJ991115_07.0218.C14.o2.gs	Method	GENSCAN
Start	4239	End	7073
GI	none	Score	.67
Exons	4239..4573, 4753..4935, 5130..5209, 6055..6336, 6499..7073		

Seq. No.	26736	Seq. ID	OJ991115_07.0218.C14
Gene No.	55366	Strand	+
Start	4239	End	12974
Name	OJ991115_07.0218.C14.o2.np	Method	AAT/NAP
Start	6968	End	12549
GI	4220486	Score	377
Exons	6968..7012, 8153..8440, 11510..11651, 11724..11821, 12268..12549		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	26736	Seq. ID	OJ991115_07.0218.C14
Gene No.	55366	Strand	+
Start	4239	End	12974

Name	OJ991115_07.0218.C14.o3.gs	Method	GENSCAN
Start	8078	End	12974
GI	none	Score	.88
Exons	8078..8440, 11510..11820, 12261..12462, 12846..12974		

Seq. No.	26736	Seq. ID	OJ991115_07.0218.C14
Gene No.	55367	Strand	-
Start	390	End	7591
Name	OJ991115_07.0218.C14.o1.np	Method	AAT/NAP
Start	390	End	7591
GI	5295955	Score	270
Exons	390..485, 616..1540, 2285..2414, 2718..2754, 4778..5028, 5104..5215, 6759..7094, 7549..7591		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	26736	Seq. ID	OJ991115_07.0218.C14
Gene No.	55367	Strand	-
Start	390	End	7591
Name	OJ991115_07.0218.C14.o1.tw	Method	TBLASTX:Wheat
Start	4098	End	4457
GI	none	Score	100
Exons	4098..4265, 4112..4273, 4274..4447, 4293..4457		

Seq. No.	26736	Seq. ID	OJ991115_07.0218.C14
Gene No.	55368	Strand	
Start	11624	End	12336
Name	OJ991115_07.0218.C14.o1.tm	Method	TBLASTX:Maize
Start	11624	End	12336
GI	none	Score	167
Exons	11624..11764, 11624..11770, 11765..11821, 11767..11838, 11768..11827, 12265..12318, 12319..12336		

Seq. No.	26737	Seq. ID	OJ991115_07.0218.C15
Gene No.	55369	Strand	-
Start	1931	End	1997
Name	OJ991115_07.0218.C15.o1.gs	Method	GENSCAN
Start	1931	End	1997
GI	none	Score	.62
Exons	1931..1997		

Seq. No.	26738	Seq. ID	OJ991115_07.0218.C16
Gene No.	55370	Strand	+
Start	708	End	1827
Name	OJ991115_07.0218.C16.o1.np	Method	AAT/NAP
Start	708	End	1797
GI	1945283	Score	691
Exons	708..840, 973..1102, 1207..1797		
GI Descrip.	(Y11351) myb factor [Oryza sativa]		

Seq. No.	26738	Seq. ID	OJ991115_07.0218.C16
Gene No.	55370	Strand	+
Start	708	End	1827
Name	OJ991115_07.0218.C16.o1.gs	Method	GENSCAN
Start	755	End	1827
GI	none	Score	.81
Exons	755..880, 973..1102, 1217..1827		

Seq. No.	26738	Seq. ID	OJ991115_07.0218.C16
Gene No.	55371	Strand	-
Start	2744	End	3868
Name	OJ991115_07.0218.C16.o1.tc	Method	TBLASTX:Cress
Start	671	End	1384
GI	none	Score	227
Exons	671..841, 717..842, 963..1115, 971..1132, 1204..1308, 1205..1384		

Seq. No.	26738	Seq. ID	OJ991115_07.0218.C16
Gene No.	55371	Strand	-
Start	2744	End	3868
Name	OJ991115_07.0218.C16.o1.tm	Method	TBLASTX:Maize
Start	695	End	1321
GI	none	Score	171
Exons	695..742, 734..844, 738..842, 962..1105, 963..1115, 1204..1308, 1205..1321		

Seq. No.	26738	Seq. ID	OJ991115_07.0218.C16
Gene No.	55371	Strand	-
Start	2744	End	3868
Name	OJ991115_07.0218.C16.o1.tw	Method	TBLASTX:Wheat
Start	698	End	1321
GI	none	Score	140
Exons	698..844, 720..842, 962..1105, 963..1115, 1204..1308, 1205..1321		

Seq. No.	26738	Seq. ID	OJ991115_07.0218.C16
Gene No.	55371	Strand	-
Start	2744	End	3868
Name	OJ991115_07.0218.C16.o1.ts	Method	TBLASTX:Soybean
Start	707	End	1732
GI	none	Score	230
Exons	707..850, 717..842, 962..1114, 963..1115, 1204..1308, 1205..1330, 1451..1501, 1628..1657, 1715..1732		

Seq. No.	26738	Seq. ID	OJ991115_07.0218.C16
Gene No.	55371	Strand	-
Start	2744	End	3868
Name	OJ991115_07.0218.C16.o2.gs	Method	GENSCAN
Start	2744	End	3868
GI	none	Score	.92
Exons	2744..2787, 3808..3868		

Seq. No.	26739	Seq. ID	OJ991115_07.0218.C17
Gene No.	55372	Strand	-
Start	416	End	576
Name	OJ991115_07.0218.C17.o1.gs	Method	GENSCAN
Start	416	End	576
GI	none	Score	.66
Exons	416..576		

Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o1.np	Method	AAT/NAP
Start	1	End	2406
GI	4680203	Score	1380

Exons	1..165, 325..1990, 2381..2406		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o1.gs	Method	GENSCAN
Start	49	End	2095
GI	none	Score	.8
Exons	49..138, 160..1608, 1704..1985, 2083..2095		
Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o3.tw	Method	TBLASTX:Wheat
Start	179	End	383
GI	none	Score	47
Exons	179..262, 210..251, 263..382, 266..382, 267..383		
Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o2.tm	Method	TBLASTX:Maize
Start	188	End	403
GI	none	Score	87
Exons	188..379, 189..377, 203..403		
Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o2.ts	Method	TBLASTX:Soybean
Start	494	End	728
GI	none	Score	73
Exons	494..727, 503..703, 558..728		
Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o1.tm	Method	TBLASTX:Maize
Start	566	End	1007
GI	none	Score	87
Exons	566..757, 579..782, 764..1006, 780..1007		
Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o2.tw	Method	TBLASTX:Wheat
Start	602	End	943
GI	none	Score	74
Exons	602..757, 603..851, 801..896, 803..898, 905..943		
Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o1.tc	Method	TBLASTX:Cress
Start	851	End	1198
GI	none	Score	88

Exons	851..1198, 852..1004, 1044..1193		
Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o3.ts	Method	TBLASTX:Soybean
Start	932	End	1199
GI	none	Score	84
Exons	932..1195, 950..1174, 951..1199		
Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o1.tw	Method	TBLASTX:Wheat
Start	947	End	1627
GI	none	Score	84
Exons	947..1072, 1079..1198, 1092..1202, 1211..1627, 1338..1538		
Seq. No.	26740	Seq. ID	OJ991215_04.0207.C1
Gene No.	55373	Strand	-
Start	1	End	2406
Name	OJ991215_04.0207.C1.o1.ts	Method	TBLASTX:Soybean
Start	1218	End	1555
GI	none	Score	202
Exons	1218..1502, 1220..1501, 1500..1550, 1508..1555		
Seq. No.	26741	Seq. ID	OJ991215_04.0207.C2
Gene No.	55374	Strand	+
Start	1412	End	2004
Name	OJ991215_04.0207.C2.o2.gp	Method	AAT/GAP
Start	1412	End	2004
GI	300_1.R1084	Score	1009
Exons	1412..2004		
GI Descrip.	'130946/sp|P15839|PRO1_ORYSA 3.0e-37 10 KD PROLAMIN PRECURSOR >gi_82451_pir__S08219 prolamin, 10K, precursor - rice >gi_20296_emb_CAA34926_ (X17074) prolamin (AA 1-134) [Oryza sativa] >gi_20308_emb_CAA33301_ (X15231) 10 kD prolamin [Oryza sativa] >gi_551659_emb_CAA57495_ (X81970) 10KD prolamin [Oryza sativa] >gi_556405 (L36604) prolamin [Oryza sativa] >gi_556407 (L36605) prolamin [Oryz'		
Seq. No.	26741	Seq. ID	OJ991215_04.0207.C2
Gene No.	55375	Strand	-
Start	1521	End	1928
Name	OJ991215_04.0207.C2.o1.gs	Method	GENSCAN
Start	1521	End	1928
GI	none	Score	.76
Exons	1521..1928		
Seq. No.	26741	Seq. ID	OJ991215_04.0207.C2
Gene No.	55375	Strand	-
Start	1521	End	1928
Name	OJ991215_04.0207.C2.o1.np	Method	AAT/NAP
Start	1524	End	1928
GI	130946	Score	628
Exons	1524..1928		
GI Descrip.	10 KD PROLAMIN PRECURSOR gi|82451|pir||S08219 prolamin, 10K,		

precursor - rice gi|20296|emb|CAA34926| (X17074) prolamin (AA 1-134) [Oryza sativa] gi|20308|emb|CAA33301| (X15231) 10 kD prolamin [Oryza sativa] gi|551659|emb|CAA57495| (X81970) 10KD prolamin [Oryza sativa] gi|556405 (L36604) prolamin [Oryza sativa] gi|556407 (L36605) prolamin [Oryza sativa] gi|226932|prf

Seq. No.	26742	Seq. ID	OJ991215_04.0207.C3
Gene No.	55376	Strand	+
Start	210	End	536
Name	OJ991215_04.0207.C3.o1.gs	Method	GENSCAN
Start	210	End	536
GI	none	Score	1
Exons	210..536		

Seq. No.	26743	Seq. ID	OJ991215_04.0207.C5
Gene No.	55377	Strand	+
Start	89	End	581
Name	OJ991215_04.0207.C5.o1.gs	Method	GENSCAN
Start	89	End	581
GI	none	Score	.77
Exons	89..122, 451..581		

Seq. No.	26743	Seq. ID	OJ991215_04.0207.C5
Gene No.	55378	Strand	+
Start	1769	End	7770
Name	OJ991215_04.0207.C5.o2.gs	Method	GENSCAN
Start	1769	End	7770
GI	none	Score	.76
Exons	1769..1881, 2010..2190, 6496..6645, 7302..7342, 7698..7770		

Seq. No.	26743	Seq. ID	OJ991215_04.0207.C5
Gene No.	55379	Strand	+
Start	11022	End	13680
Name	OJ991215_04.0207.C5.o1.np	Method	AAT/NAP
Start	10778	End	13680
GI	6815062	Score	309
Exons	10778..11094, 11128..11569, 11676..11903, 13639..13680		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	26743	Seq. ID	OJ991215_04.0207.C5
Gene No.	55379	Strand	+
Start	11022	End	13680
Name	OJ991215_04.0207.C5.o2.np	Method	AAT/NAP
Start	10818	End	13358
GI	4559351	Score	356
Exons	10818..11087, 11128..11508, 11672..11932, 13329..13358		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26743	Seq. ID	OJ991215_04.0207.C5
Gene No.	55379	Strand	+
Start	11022	End	13680
Name	OJ991215_04.0207.C5.o4.gs	Method	GENSCAN
Start	11022	End	12875
GI	none	Score	.64
Exons	11022..11574, 11676..12208, 12453..12659, 12741..12875		

Seq. No.	26743	Seq. ID	OJ991215_04.0207.C5
Gene No.	55380	Strand	-
Start	9968	End	10195
Name	OJ991215_04.0207.C5.o3.gs	Method	GENSCAN
Start	9968	End	10195
GI	none	Score	1
Exons	9968..10195		

Seq. No.	26743	Seq. ID	OJ991215_04.0207.C5
Gene No.	55381	Strand	
Start	11127	End	11456
Name	OJ991215_04.0207.C5.o1.tm	Method	TBLASTX:Maize
Start	11127	End	11456
GI	none	Score	151
Exons	11127..11387, 11204..11359, 11385..11456, 11390..11452		

Seq. No.	26744	Seq. ID	OJ991215_04.0207.C6
Gene No.	55382	Strand	+
Start	987	End	6443
Name	OJ991215_04.0207.C6.o1.gs	Method	GENSCAN
Start	987	End	5397
GI	none	Score	.81
Exons	987..1030, 2434..2586, 3370..3466, 3555..4109, 4185..4444, 4860..5397		

Seq. No.	26744	Seq. ID	OJ991215_04.0207.C6
Gene No.	55382	Strand	+
Start	987	End	6443
Name	OJ991215_04.0207.C6.o2.np	Method	AAT/NAP
Start	3410	End	6443
GI	6911863	Score	740
Exons	3410..3466, 3555..3743, 3822..4109, 4185..4444, 4860..4980, 6414..6443		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	26744	Seq. ID	OJ991215_04.0207.C6
Gene No.	55383	Strand	-
Start	1	End	3149
Name	OJ991215_04.0207.C6.o1.np	Method	AAT/NAP
Start	1	End	3149
GI	5690095	Score	431
Exons	1..1166, 3121..3149		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	26744	Seq. ID	OJ991215_04.0207.C6
Gene No.	55383	Strand	-
Start	1	End	3149
Name	OJ991215_04.0207.C6.o2.tm	Method	TBLASTX:Maize
Start	316	End	876
GI	none	Score	121
Exons	316..372, 430..720, 440..658, 733..876		

Seq. No.	26744	Seq. ID	OJ991215_04.0207.C6
Gene No.	55384	Strand	
Start	3437	End	4974
Name	OJ991215_04.0207.C6.o1.tm	Method	TBLASTX:Maize

Start	3437	End	4974
GI	none	Score	45
Exons	3437..3475, 3557..3658, 3579..3737, 3815..3904, 3816..3932, 3942..4106, 4046..4105, 4158..4448, 4196..4435, 4335..4451, 4858..4974		

Seq. No.	26744	Seq. ID	OJ991215_04.0207.C6
Gene No.	55384	Strand	
Start	3437	End	4974
Name	OJ991215_04.0207.C6.o1.tc	Method	TBLASTX:Cress
Start	3557	End	4262
GI	none	Score	78
Exons	3557..3718, 3579..3659, 3795..3899, 3842..3898, 3942..4106, 4046..4105, 4184..4258, 4185..4262		

Seq. No.	26744	Seq. ID	OJ991215_04.0207.C6
Gene No.	55384	Strand	
Start	3437	End	4974
Name	OJ991215_04.0207.C6.o1.tw	Method	TBLASTX:Wheat
Start	3803	End	4208
GI	none	Score	110
Exons	3803..3904, 3816..3905, 3942..4103, 4046..4102, 4158..4208		

Seq. No.	26744	Seq. ID	OJ991215_04.0207.C6
Gene No.	55384	Strand	
Start	3437	End	4974
Name	OJ991215_04.0207.C6.o1.ts	Method	TBLASTX:Soybean
Start	3825	End	4974
GI	none	Score	108
Exons	3825..3899, 3842..3898, 3942..4106, 4046..4105, 4154..4435, 4158..4448, 4858..4974		

Seq. No.	26745	Seq. ID	OJ991215_04.0207.C7
Gene No.	55385	Strand	+
Start	1	End	1693
Name	OJ991215_04.0207.C7.o1.np	Method	AAT/NAP
Start	1	End	1693
GI	4063770	Score	87
Exons	1..29, 1556..1693		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	26745	Seq. ID	OJ991215_04.0207.C7
Gene No.	55385	Strand	+
Start	1	End	1693
Name	OJ991215_04.0207.C7.o1.gs	Method	GENSCAN
Start	32	End	1360
GI	none	Score	.71
Exons	32..169, 1238..1360		

Seq. No.	26746	Seq. ID	OJ991215_04.0207.C8
Gene No.	55386	Strand	+
Start	1473	End	2859
Name	OJ991215_04.0207.C8.o1.gs	Method	GENSCAN
Start	1473	End	2859
GI	none	Score	.55
Exons	1473..1547, 1871..1956, 2409..2859		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55387	Strand	+
Start	695	End	5025
Name	OJ991215_04.0207.C9.o1.gs	Method	GENSCAN
Start	695	End	5025
GI	none	Score	.54
Exons	695..770, 4814..5025		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55388	Strand	+
Start	7639	End	8015
Name	OJ991215_04.0207.C9.o1.gp	Method	AAT/GAP
Start	7639	End	8015
GI	5816475	Score	545
Exons	7639..8015		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55389	Strand	+
Start	21599	End	26672
Name	OJ991215_04.0207.C9.o7.gs	Method	GENSCAN
Start	21599	End	26672
GI	none	Score	.63
Exons	21599..21739, 22346..22605, 22724..22824, 23143..23219, 23326..23454, 23851..24477, 24547..24696, 26346..26672		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55389	Strand	+
Start	21599	End	26672
Name	OJ991215_04.0207.C9.o3.np	Method	AAT/NAP
Start	23647	End	26014
GI	5803254	Score	303
Exons	23647..24499, 24572..24687, 25972..26014		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55390	Strand	+
Start	26869	End	26962
Name	OJ991215_04.0207.C9.o2.gp	Method	AAT/GAP
Start	26869	End	26962
GI	69953_1.R1084	Score	111
Exons	26869..26962		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55391	Strand	+
Start	28723	End	30580
Name	OJ991215_04.0207.C9.o9.gs	Method	GENSCAN
Start	28723	End	30580
GI	none	Score	.76
Exons	28723..28784, 29142..29192, 29581..29602, 29891..30073, 30494..30580		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55392	Strand	+
Start	32043	End	32120
Name	OJ991215_04.0207.C9.o4.np	Method	AAT/NAP
Start	32043	End	32120
GI	6630699	Score	81
Exons	32043..32120		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55393	Strand	+
Start	34490	End	35478
Name	OJ991215_04.0207.C9.o12.gs	Method	GENSCAN
Start	34490	End	35478
GI	none	Score	.67
Exons	34490..34709, 34727..35478		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55394	Strand	-
Start	7107	End	8073
Name	OJ991215_04.0207.C9.o2.gs	Method	GENSCAN
Start	7107	End	8073
GI	none	Score	.58
Exons	7107..7288, 7313..7550, 8029..8073		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55395	Strand	-
Start	10420	End	11925
Name	OJ991215_04.0207.C9.o4.gs	Method	GENSCAN
Start	10420	End	11925
GI	none	Score	.67
Exons	10420..10519, 10617..10679, 11846..11925		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55396	Strand	-
Start	12986	End	18055
Name	OJ991215_04.0207.C9.o1.np	Method	AAT/NAP
Start	12940	End	18055
GI	5852172	Score	64
Exons	12940..13019, 13120..13188, 16426..16498, 17959..18055		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55396	Strand	-
Start	12986	End	18055
Name	OJ991215_04.0207.C9.o5.gs	Method	GENSCAN
Start	12986	End	17252
GI	none	Score	.77
Exons	12986..13108, 16426..16596, 16948..17126, 17213..17252		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55397	Strand	-
Start	18913	End	19974
Name	OJ991215_04.0207.C9.o2.np	Method	AAT/NAP
Start	18913	End	19974

GI	6815053	Score	566
Exons	18913..19328, 19810..19974		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55398	Strand	-
Start	27107	End	27799
Name	OJ991215_04.0207.C9.o8.gs	Method	GENSCAN
Start	27107	End	27799
GI	none	Score	1
Exons	27107..27799		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55399	Strand	-
Start	31255	End	31657
Name	OJ991215_04.0207.C9.o10.gs	Method	GENSCAN
Start	31255	End	31657
GI	none	Score	.67
Exons	31255..31429, 31440..31657		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55400	Strand	-
Start	32400	End	33387
Name	OJ991215_04.0207.C9.o5.np	Method	AAT/NAP
Start	32259	End	32393
GI	5922620	Score	166
Exons	32259..32393		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55400	Strand	-
Start	32400	End	33387
Name	OJ991215_04.0207.C9.o11.gs	Method	GENSCAN
Start	32400	End	33387
GI	none	Score	.75
Exons	32400..32575, 33177..33387		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55401	Strand	-
Start	36052	End	36190
Name	OJ991215_04.0207.C9.o3.gp	Method	AAT/GAP
Start	36052	End	36190
GI	2797961	Score	250
Exons	36052..36190		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55402	Strand	-
Start	36330	End	37451
Name	OJ991215_04.0207.C9.o1.tm	Method	TBLASTX:Maize
Start	36204	End	37451
GI	none	Score	38
Exons	36204..36272, 36240..36269, 36316..36399, 36328..36399, 36373..36465, 36387..36476, 36396..36476, 36597..36734,		

36603..36731, 36620..36736, 36884..37000, 36888..37001,
37095..37211, 37096..37218, 37102..37221, 37103..37222,
37328..37450, 37332..37451, 37338..37451

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55402	Strand	-
Start	36330	End	37451
Name	OJ991215_04.0207.C9.o13.gs	Method	GENSCAN
Start	36330	End	36999
GI	none	Score	.95
Exons	36330..36483, 36601..36716, 36887..36999		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55402	Strand	-
Start	36330	End	37451
Name	OJ991215_04.0207.C9.o6.np	Method	AAT/NAP
Start	36336	End	37451
GI	2352797	Score	695
Exons	36336..36483, 36601..36716, 36887..36999, 37094..37211, 37328..37451		
GI Descrip.	(AF007794) retinoblastoma-related protein 2a [Zea mays]		

Seq. No.	26747	Seq. ID	OJ991215_04.0207.C9
Gene No.	55402	Strand	-
Start	36330	End	37451
Name	OJ991215_04.0207.C9.o1.ts	Method	TBLASTX:Soybean
Start	36909	End	37450
GI	none	Score	101
Exons	36909..36992, 36911..37003, 37104..37214, 37358..37450		

Seq. No.	26748	Seq. ID	OJ991215_04.0207.C10
Gene No.	55403	Strand	-
Start	1	End	1861
Name	OJ991215_04.0207.C10.o1.gp	Method	AAT/GAP
Start	1	End	652
GI	uC-osflm202099h06b1	Score	721
Exons	1..213, 299..371, 483..652		
GI Descrip.	'2352795 9.0e-61 (AF007793) retinoblastoma-related protein 1 [Zea mays]'		

Seq. No.	26748	Seq. ID	OJ991215_04.0207.C10
Gene No.	55403	Strand	-
Start	1	End	1861
Name	OJ991215_04.0207.C10.o1.np	Method	AAT/NAP
Start	1	End	1861
GI	1617474	Score	798
Exons	1..213, 299..371, 483..639, 1566..1861		
GI Descrip.	(X98923) Rb1 protein [Zea mays]		

Seq. No.	26748	Seq. ID	OJ991215_04.0207.C10
Gene No.	55403	Strand	-
Start	1	End	1861
Name	OJ991215_04.0207.C10.o1.gs	Method	GENSCAN
Start	40	End	1691
GI	none	Score	.5
Exons	40..213, 299..371, 483..639, 1566..1691		

Seq. No.	26748	Seq. ID	OJ991215_04.0207.C10
Gene No.	55403	Strand	-
Start	1	End	1861
Name	OJ991215_04.0207.C10.o1.tm	Method	TBLASTX:Maize
Start	55	End	1747
GI	none	Score	145
Exons	55..213, 56..214, 58..216, 296..391, 299..379, 300..383, 483..641, 484..642, 485..640, 1576..1746, 1588..1746, 1592..1747		

Seq. No.	26749	Seq. ID	OJ991215_04.0207.C11
Gene No.	55404	Strand	-
Start	1	End	2754
Name	OJ991215_04.0207.C11.o1.np	Method	AAT/NAP
Start	1	End	2405
GI	2352795	Score	910
Exons	1..208, 295..485, 586..765, 865..931, 1077..1260, 1456..1502, 2367..2405		
GI Descrip.	(AF007793) retinoblastoma-related protein 1 [Zea mays]		

Seq. No.	26749	Seq. ID	OJ991215_04.0207.C11
Gene No.	55404	Strand	-
Start	1	End	2754
Name	OJ991215_04.0207.C11.o1.tw	Method	TBLASTX:Wheat
Start	2	End	220
GI	none	Score	259
Exons	2..220, 2..211		

Seq. No.	26749	Seq. ID	OJ991215_04.0207.C11
Gene No.	55404	Strand	-
Start	1	End	2754
Name	OJ991215_04.0207.C11.o2.tm	Method	TBLASTX:Maize
Start	2	End	224
GI	none	Score	233
Exons	2..211, 2..202, 15..224, 45..224		

Seq. No.	26749	Seq. ID	OJ991215_04.0207.C11
Gene No.	55404	Strand	-
Start	1	End	2754
Name	OJ991215_04.0207.C11.o1.gs	Method	GENSCAN
Start	58	End	2754
GI	none	Score	.84
Exons	58..208, 295..510, 1077..1260, 1456..1502, 1607..1703, 1813..1949, 2012..2110, 2197..2238, 2277..2352, 2704..2754		

Seq. No.	26749	Seq. ID	OJ991215_04.0207.C11
Gene No.	55404	Strand	-
Start	1	End	2754
Name	OJ991215_04.0207.C11.o1.tm	Method	TBLASTX:Maize
Start	304	End	1277
GI	none	Score	125
Exons	304..543, 309..488, 551..742, 585..743, 587..751, 588..752, 744..779, 746..769, 861..932, 866..931, 867..932, 1072..1272, 1075..1260, 1076..1261, 1083..1277		

Seq. No.	26750	Seq. ID	OJ991215_04.0207.C12
Gene No.	55405	Strand	-
Start	14	End	289

Name	OJ991215_04.0207.C12.o1.gs	Method	GENSCAN
Start	14	End	289
GI	none	Score	.44
Exons	14..289		

Seq. No.	26751	Seq. ID	OJ991215_04.0207.C13
Gene No.	55406	Strand	+
Start	1	End	755
Name	OJ991215_04.0207.C13.o1.np	Method	AAT/NAP
Start	1	End	755
GI	6691716	Score	311
Exons	1..41, 119..306, 382..559, 673..755		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26751	Seq. ID	OJ991215_04.0207.C13
Gene No.	55406	Strand	+
Start	1	End	755
Name	OJ991215_04.0207.C13.o1.gs	Method	GENSCAN
Start	107	End	732
GI	none	Score	.83
Exons	107..306, 382..571, 598..732		

Seq. No.	26751	Seq. ID	OJ991215_04.0207.C13
Gene No.	55406	Strand	+
Start	1	End	755
Name	OJ991215_04.0207.C13.o2.np	Method	AAT/NAP
Start	630	End	755
GI	5441880	Score	214
Exons	630..755		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	26752	Seq. ID	OJ991215_04.0207.C14
Gene No.	55407	Strand	-
Start	1	End	743
Name	OJ991215_04.0207.C14.o1.np	Method	AAT/NAP
Start	1	End	743
GI	6691716	Score	400
Exons	1..140, 291..392, 468..743		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26752	Seq. ID	OJ991215_04.0207.C14
Gene No.	55407	Strand	-
Start	1	End	743
Name	OJ991215_04.0207.C14.o1.gs	Method	GENSCAN
Start	26	End	667
GI	none	Score	.71
Exons	26..140, 468..667		

Seq. No.	26753	Seq. ID	OJ991215_04.0207.C15
Gene No.	55408	Strand	+
Start	1	End	1060

Name	OJ991215_04.0207.C15.o1.np	Method	AAT/NAP
Start	1	End	588
GI	6742729	Score	468
Exons	1..588		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	26753	Seq. ID	OJ991215_04.0207.C15
Gene No.	55408	Strand	+
Start	1	End	1060
Name	OJ991215_04.0207.C15.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1006
GI	none	Score	301
Exons	1..300, 2..298, 305..517, 358..495, 513..641, 515..643, 517..642, 659..709, 666..710, 710..763, 781..885, 782..886, 886..954, 887..1006		

Seq. No.	26753	Seq. ID	OJ991215_04.0207.C15
Gene No.	55408	Strand	+
Start	1	End	1060
Name	OJ991215_04.0207.C15.o1.tc	Method	TBLASTX:Cress
Start	43	End	465
GI	none	Score	224
Exons	43..300, 47..298, 305..457, 358..465		

Seq. No.	26753	Seq. ID	OJ991215_04.0207.C15
Gene No.	55408	Strand	+
Start	1	End	1060
Name	OJ991215_04.0207.C15.o1.gs	Method	GENSCAN
Start	89	End	1060
GI	none	Score	.49
Exons	89..269, 546..721, 746..1060		

Seq. No.	26753	Seq. ID	OJ991215_04.0207.C15
Gene No.	55408	Strand	+
Start	1	End	1060
Name	OJ991215_04.0207.C15.o1.ts	Method	TBLASTX:Soybean
Start	695	End	943
GI	none	Score	228
Exons	695..943, 697..879		

Seq. No.	26754	Seq. ID	OJ991215_04.0207.C16
Gene No.	55409	Strand	+
Start	882	End	5091
Name	OJ991215_04.0207.C16.o1.gs	Method	GENSCAN
Start	882	End	5091
GI	none	Score	.46
Exons	882..1403, 2106..2639, 2683..2770, 2849..3141, 3229..3295, 3383..4127, 4228..4339, 4348..4518, 4601..4889, 4975..5091		

Seq. No.	26754	Seq. ID	OJ991215_04.0207.C16
Gene No.	55409	Strand	+
Start	882	End	5091
Name	OJ991215_04.0207.C16.o1.np	Method	AAT/NAP
Start	889	End	1391
GI	4680204	Score	130
Exons	889..1055, 1293..1391		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	26754	Seq. ID	OJ991215_04.0207.C16
Gene No.	55410	Strand	+
Start	6355	End	14438
Name	OJ991215_04.0207.C16.o2.np	Method	AAT/NAP
Start	6355	End	11306
GI	4680204	Score	97
Exons	6355..6427, 8152..8232, 8767..8899, 10711..10981, 11237..11306		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	26754	Seq. ID	OJ991215_04.0207.C16
Gene No.	55410	Strand	+
Start	6355	End	14438
Name	OJ991215_04.0207.C16.o1.gp	Method	AAT/GAP
Start	7157	End	7238
GI	LIB3477-003-P1-K1-E9	Score	92
Exons	7157..7238		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	26754	Seq. ID	OJ991215_04.0207.C16
Gene No.	55410	Strand	+
Start	6355	End	14438
Name	OJ991215_04.0207.C16.o3.gs	Method	GENSCAN
Start	8155	End	14438
GI	none	Score	.54
Exons	8155..8201, 8217..8390, 8455..9053, 9985..10211, 10317..10603, 10788..10951, 13000..13079, 13724..13904, 14353..14438		

Seq. No.	26754	Seq. ID	OJ991215_04.0207.C16
Gene No.	55411	Strand	-
Start	5761	End	6994
Name	OJ991215_04.0207.C16.o2.gs	Method	GENSCAN
Start	5761	End	6994
GI	none	Score	.45
Exons	5761..5864, 6377..6541, 6696..6833, 6943..6994		

Seq. No.	26754	Seq. ID	OJ991215_04.0207.C16
Gene No.	55412	Strand	-
Start	8936	End	9407
Name	OJ991215_04.0207.C16.o3.gp	Method	AAT/GAP
Start	8936	End	9407
GI	2233_1.R1084	Score	908
Exons	8936..9407		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	26755	Seq. ID	OJ991215_04.0207.C17
Gene No.	55413	Strand	-
Start	2362	End	2730
Name	OJ991215_04.0207.C17.o1.gp	Method	AAT/GAP
Start	2191	End	2396
GI	6025028	Score	338
Exons	2191..2396		

Seq. No.	26755	Seq. ID	OJ991215_04.0207.C17

Gene No.	55413	Strand	-
Start	2362	End	2730
Name	OJ991215_04.0207.C17.o1.gs	Method	GENSCAN
Start	2362	End	2730
GI	none	Score	.98
Exons	2362..2730		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55414	Strand	+
Start	6062	End	13294
Name	OJ991215_04.0207.C18.o2.gs	Method	GENSCAN
Start	6062	End	13294
GI	none	Score	.74
Exons	6062..6139, 6233..6304, 6419..6482, 7805..7943, 8091..8179, 8677..8807, 9748..9814, 10127..10333, 10716..10990, 11168..11418, 11468..11641, 11718..12073, 12139..12338, 12414..12603, 12703..12780, 12951..13294		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55414	Strand	+
Start	6062	End	13294
Name	OJ991215_04.0207.C18.o2.np	Method	AAT/NAP
Start	10166	End	13282
GI	6691716	Score	2477
Exons	10166..11061, 11468..11641, 11718..11815, 11894..12073, 12151..12338, 12414..12515, 12666..12780, 12843..13282		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55415	Strand	-
Start	8494	End	9980
Name	OJ991215_04.0207.C18.o1.np	Method	AAT/NAP
Start	8494	End	9980
GI	5852093	Score	77
Exons	8494..8607, 9926..9980		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o9.tw	Method	TBLASTX:Wheat
Start	10262	End	10576
GI	none	Score	208
Exons	10262..10576		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o4.tw	Method	TBLASTX:Wheat
Start	13647	End	14258
GI	none	Score	89
Exons	13647..13775, 13800..13925, 13980..14258, 13996..14103, 14149..14238		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18

Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o3.np	Method	AAT/NAP
Start	13668	End	19929
GI	5922631	Score	6627
Exons	13668..16191, 16798..17724, 17851..17896, 18081..18185, 18228..18792, 18838..19045, 19303..19547, 19806..19929		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o4.tm	Method	TBLASTX:Maize
Start	13683	End	13925
GI	none	Score	96
Exons	13683..13784, 13684..13785, 13764..13925, 13767..13889		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o3.gs	Method	GENSCAN
Start	13779	End	15383
GI	none	Score	.76
Exons	13779..15383		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o5.tm	Method	TBLASTX:Maize
Start	14028	End	14307
GI	none	Score	51
Exons	14028..14114, 14124..14207, 14137..14211, 14194..14307, 14202..14300		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o3.tw	Method	TBLASTX:Wheat
Start	14373	End	14760
GI	none	Score	77
Exons	14373..14558, 14373..14759, 14449..14760, 14461..14760		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o1.tm	Method	TBLASTX:Maize
Start	14442	End	14765
GI	none	Score	242
Exons	14442..14765, 14455..14745		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18

Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o10.tw	Method	TBLASTX:Wheat
Start	14763	End	15062
GI	none	Score	127
Exons	14763..14861, 14928..15062		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o5.tw	Method	TBLASTX:Wheat
Start	15078	End	15500
GI	none	Score	228
Exons	15078..15500, 15154..15495		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o2.ts	Method	TBLASTX:Soybean
Start	15121	End	15509
GI	none	Score	60
Exons	15121..15261, 15123..15509, 15295..15369, 15406..15501		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o6.tm	Method	TBLASTX:Maize
Start	15174	End	15446
GI	none	Score	122
Exons	15174..15272, 15276..15446		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o6.tw	Method	TBLASTX:Wheat
Start	15566	End	15952
GI	none	Score	95
Exons	15566..15805, 15567..15806, 15809..15943, 15809..15952, 15831..15950		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o4.gs	Method	GENSCAN
Start	15686	End	21230
GI	none	Score	.66
Exons	15686..16228, 16436..16709, 16806..18050, 18115..19076, 19094..19677, 19779..19881, 20877..20974, 21140..21230		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o1.ts	Method	TBLASTX:Soybean
Start	15788	End	16162
GI	none	Score	105
Exons	15788..16099, 15794..16162, 15972..16115		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o2.tm	Method	TBLASTX:Maize
Start	15884	End	16267
GI	none	Score	155
Exons	15884..16267, 15885..16163		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o2.tw	Method	TBLASTX:Wheat
Start	16007	End	16426
GI	none	Score	220
Exons	16007..16426, 16008..16424		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o3.tm	Method	TBLASTX:Maize
Start	16295	End	16588
GI	none	Score	183
Exons	16295..16585, 16317..16586, 16457..16588		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o8.tw	Method	TBLASTX:Wheat
Start	16426	End	16660
GI	none	Score	140
Exons	16426..16617, 16427..16660, 16428..16586		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o1.tw	Method	TBLASTX:Wheat
Start	16661	End	17458
GI	none	Score	119
Exons	16661..16954, 16665..16934, 17001..17237, 17003..17233, 17282..17458		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o7.tm	Method	TBLASTX:Maize
Start	16973	End	17150
GI	none	Score	111
Exons	16973..17149, 17004..17150		

Seq. No.	26756	Seq. ID	OJ991215_04.0207.C18
Gene No.	55416	Strand	-
Start	13779	End	21230
Name	OJ991215_04.0207.C18.o7.tw	Method	TBLASTX:Wheat
Start	18222	End	18624
GI	none	Score	109
Exons	18222..18623, 18316..18624		

Seq. No.	26757	Seq. ID	OJ991215_04.0207.C19
Gene No.	55417	Strand	+
Start	362	End	553
Name	OJ991215_04.0207.C19.o1.gs	Method	GENSCAN
Start	362	End	553
GI	none	Score	.77
Exons	362..553		

Seq. No.	26757	Seq. ID	OJ991215_04.0207.C19
Gene No.	55418	Strand	+
Start	3198	End	3413
Name	OJ991215_04.0207.C19.o2.gs	Method	GENSCAN
Start	3198	End	3413
GI	none	Score	.78
Exons	3198..3413		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55419	Strand	+
Start	529	End	8726
Name	OJ991215_04.0207.C20.o1.gs	Method	GENSCAN
Start	529	End	6752
GI	none	Score	.55
Exons	529..3151, 3591..3741, 3847..4093, 4268..4678, 4770..5068, 5145..5403, 5496..5616, 5648..5729, 5992..6123, 6187..6234, 6239..6441, 6592..6752		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55419	Strand	+
Start	529	End	8726
Name	OJ991215_04.0207.C20.o1.np	Method	AAT/NAP
Start	982	End	6473
GI	5441880	Score	4750
Exons	982..1987, 2426..2457, 2716..3031, 3591..3741, 3847..4183, 4770..5068, 5145..5403, 5648..5745, 5992..6123, 6239..6473		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55419	Strand	+
Start	529	End	8726
Name	OJ991215_04.0207.C20.o2.gp	Method	AAT/GAP
Start	1586	End	2017
GI	5701669	Score	841
Exons	1586..2017		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55419	Strand	+
Start	529	End	8726
Name	OJ991215_04.0207.C20.o3.gp	Method	AAT/GAP
Start	4896	End	5395
GI	LIB3475-007-P1-K1-G8	Score	785
Exons	4896..5068, 5145..5395		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55419	Strand	+
Start	529	End	8726
Name	OJ991215_04.0207.C20.o4.gp	Method	AAT/GAP
Start	6577	End	8390
GI	LIB3431-045-P1-N1-A10	Score	817
Exons	6577..6920, 8281..8390		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55419	Strand	+
Start	529	End	8726
Name	OJ991215_04.0207.C20.o2.gs	Method	GENSCAN
Start	6979	End	8726
GI	none	Score	.72
Exons	6979..6981, 7166..7324, 7391..7468, 7920..8068, 8657..8726		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55420	Strand	+
Start	16792	End	18984
Name	OJ991215_04.0207.C20.o5.gs	Method	GENSCAN
Start	16792	End	18984
GI	none	Score	.87
Exons	16792..17111, 18939..18984		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55421	Strand	-
Start	1	End	90
Name	OJ991215_04.0207.C20.o1.gp	Method	AAT/GAP
Start	1	End	90
GI	7406_1.R1084	Score	131
Exons	1..90		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55422	Strand	-
Start	8678	End	21139
Name	OJ991215_04.0207.C20.o3.tm	Method	TBLASTX:Maize
Start	1543	End	2046
GI	none	Score	93
Exons	1543..1671, 1551..1649, 1705..2046, 1722..1943		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55422	Strand	-
Start	8678	End	21139
Name	OJ991215_04.0207.C20.o1.tw	Method	TBLASTX:Wheat
Start	1837	End	2211
GI	none	Score	428
Exons	1837..2181, 1846..2211		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55422	Strand	-

Start	8678	End	21139
Name	OJ991215_04.0207.C20.o4.tm	Method	TBLASTX:Maize
Start	6287	End	21139
GI	none	Score	63
Exons	6287..6376, 16807..16917, 16821..16916, 16990..17112, 16992..17111, 21008..21136, 21009..21137, 21013..21138, 21014..21139, 21015..21137		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55422	Strand	-
Start	8678	End	21139
Name	OJ991215_04.0207.C20.o2.np	Method	AAT/NAP
Start	8678	End	11489
GI	2462927	Score	1552
Exons	8678..8710, 9083..9184, 9290..9523, 9615..9839, 9925..10095, 10180..10316, 10401..10555, 10636..10759, 11193..11293, 11401..11489		
GI Descrip.	(Y10342) putative amidase [Arabidopsis thaliana]		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55422	Strand	-
Start	8678	End	21139
Name	OJ991215_04.0207.C20.o3.gs	Method	GENSCAN
Start	9086	End	12826
GI	none	Score	.86
Exons	9086..9268, 9290..9523, 9615..9839, 9925..10095, 10180..10295, 10401..10555, 10636..10759, 11193..11293, 11401..11483, 11569..11793, 11880..11996, 12674..12826		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55422	Strand	-
Start	8678	End	21139
Name	OJ991215_04.0207.C20.o1.tc	Method	TBLASTX:Cress
Start	9095	End	11646
GI	none	Score	96
Exons	9095..9184, 9096..9185, 9290..9526, 9360..9515, 9615..9845, 9709..9840, 9911..10096, 9916..10119, 10178..10321, 10180..10317, 10400..10558, 10406..10528, 10444..10557, 10623..10763, 10624..10761, 11191..11295, 11192..11278, 11400..11477, 11404..11478, 11566..11646, 11567..11629		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55422	Strand	-
Start	8678	End	21139
Name	OJ991215_04.0207.C20.o1.tm	Method	TBLASTX:Maize
Start	9135	End	10303
GI	none	Score	73
Exons	9135..9245, 9135..9182, 9137..9184, 9278..9541, 9288..9479, 9290..9526, 9601..9645, 9608..9844, 9615..9845, 9616..9840, 9908..10096, 9916..10119, 10178..10303, 10178..10300, 10180..10302		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55422	Strand	-
Start	8678	End	21139
Name	OJ991215_04.0207.C20.o2.ts	Method	TBLASTX:Soybean
Start	9786	End	10231

GI	4395822	Score	44
Exons	9786..9815, 9787..9816, 9919..10119, 9923..10096, 10178..10231, 10180..10230		
GI Descrip.	2462927/emb_CAA71371_ 2.0e-29 (Y10342) putative amidase [Arabidopsis thaliana]		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55422	Strand	-
Start	8678	End	21139
Name	OJ991215_04.0207.C20.o2.tm	Method	TBLASTX:Maize
Start	10400	End	11981
GI	none	Score	253
Exons	10400..10558, 10401..10511, 10444..10557, 10616..10759, 10623..10763, 10633..10776, 11191..11295, 11192..11296, 11386..11481, 11391..11477, 11395..11481, 11400..11483, 11558..11794, 11566..11793, 11568..11795, 11875..11979, 11877..11981, 11878..11979, 11880..11981		

Seq. No.	26758	Seq. ID	OJ991215_04.0207.C20
Gene No.	55422	Strand	-
Start	8678	End	21139
Name	OJ991215_04.0207.C20.o1.ts	Method	TBLASTX:Soybean
Start	10444	End	11441
GI	none	Score	81
Exons	10444..10554, 10444..10557, 10448..10558, 10623..10763, 10632..10751, 10633..10758, 11194..11295, 11391..11441		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55423	Strand	+
Start	522	End	1190
Name	OJ991215_04.0207.C21.o1.gs	Method	GENSCAN
Start	522	End	1190
GI	none	Score	.68
Exons	522..1190		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55423	Strand	+
Start	522	End	1190
Name	OJ991215_04.0207.C21.o1.np	Method	AAT/NAP
Start	522	End	1178
GI	4996622	Score	345
Exons	522..1178		
GI Descrip.	(AB024338) germin-like protein [Atriplex lentiformis]		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55424	Strand	+
Start	4170	End	4640
Name	OJ991215_04.0207.C21.o1.gp	Method	AAT/GAP
Start	4170	End	4640
GI	none	Score	894
Exons	4170..4640		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55425	Strand	-
Start	4534	End	7173
Name	OJ991215_04.0207.C21.o2.ts	Method	TBLASTX:Soybean
Start	588	End	1124

GI	none	Score	40
Exons	588..617, 651..1124, 782..1108		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55425	Strand	-
Start	4534	End	7173
Name	OJ991215_04.0207.C21.o2.tc	Method	TBLASTX:Cress
Start	591	End	1124
GI	none	Score	231
Exons	591..914, 644..925, 930..1124, 935..1084		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55425	Strand	-
Start	4534	End	7173
Name	OJ991215_04.0207.C21.o2.tm	Method	TBLASTX:Maize
Start	678	End	1124
GI	none	Score	294
Exons	678..1124, 689..1045		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55425	Strand	-
Start	4534	End	7173
Name	OJ991215_04.0207.C21.o1.tw	Method	TBLASTX:Wheat
Start	779	End	1124
GI	none	Score	68
Exons	779..946, 779..1102, 786..1124		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55425	Strand	-
Start	4534	End	7173
Name	OJ991215_04.0207.C21.o1.tc	Method	TBLASTX:Cress
Start	4474	End	6266
GI	none	Score	95
Exons	4474..4644, 4535..4651, 4535..4645, 5748..6059, 5776..6060, 6126..6266, 6129..6173, 6160..6264		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55425	Strand	-
Start	4534	End	7173
Name	OJ991215_04.0207.C21.o1.tm	Method	TBLASTX:Maize
Start	4512	End	6252
GI	none	Score	79
Exons	4512..4640, 4519..4641, 4528..4644, 4529..4645, 4529..4645, 5742..5801, 5748..6065, 5776..6078, 6120..6173, 6121..6249, 6123..6251, 6157..6252		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55425	Strand	-
Start	4534	End	7173
Name	OJ991215_04.0207.C21.o1.ts	Method	TBLASTX:Soybean
Start	4534	End	6269
GI	none	Score	67
Exons	4534..4644, 4538..4645, 5748..6059, 5776..6063, 6126..6269, 6160..6267		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55425	Strand	-

Start	4534	End	7173
Name	OJ991215_04.0207.C21.o2.gs	Method	GENSCAN
Start	4534	End	6267
GI	none	Score	.67
Exons	4534..4643, 5249..5368, 5750..6267		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55425	Strand	-
Start	4534	End	7173
Name	OJ991215_04.0207.C21.o2.np	Method	AAT/NAP
Start	4537	End	7173
GI	3242789	Score	785
Exons	4537..4643, 5750..6267, 7013..7173		
GI Descrip.	(AF055357) respiratory burst oxidase protein D [Arabidopsis thaliana]		

Seq. No.	26759	Seq. ID	OJ991215_04.0207.C21
Gene No.	55425	Strand	-
Start	4534	End	7173
Name	OJ991215_04.0207.C21.o2.gp	Method	AAT/GAP
Start	6051	End	6277
GI	49626_1.R1084	Score	405
Exons	6051..6277		
GI Descrip.	'3242789 1.0e-111 (AF055357) respiratory burst oxidase protein D [Arabidopsis thaliana]'		

Seq. No.	26760	Seq. ID	OJ991215_04.0207.C22
Gene No.	55426	Strand	+
Start	1	End	509
Name	OJ991215_04.0207.C22.o1.np	Method	AAT/NAP
Start	1	End	509
GI	5103193	Score	863
Exons	1..509		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	26761	Seq. ID	OJ991215_04.0207.C24
Gene No.	55427	Strand	-
Start	1	End	590
Name	OJ991215_04.0207.C24.o1.np	Method	AAT/NAP
Start	1	End	590
GI	1076748	Score	674
Exons	1..590		
GI Descrip.	major intrinsic protein - rice gi|440869|dbj|BAA04257| (D17443) major intrinsic protein [Oryza sativa]		

Seq. No.	26761	Seq. ID	OJ991215_04.0207.C24
Gene No.	55427	Strand	-
Start	1	End	590
Name	OJ991215_04.0207.C24.o1.ts	Method	TBLASTX:Soybean
Start	69	End	500
GI	none	Score	376
Exons	69..500, 73..495		

Seq. No.	26761	Seq. ID	OJ991215_04.0207.C24
Gene No.	55427	Strand	-

Start	1	End	590
Name	OJ991215_04.0207.C24.o1.tc	Method	TBLASTX:Cress
Start	75	End	500
GI	none	Score	91
Exons	75..203, 79..228, 181..498, 192..500		

Seq. No.	26761	Seq. ID	OJ991215_04.0207.C24
Gene No.	55427	Strand	-
Start	1	End	590
Name	OJ991215_04.0207.C24.o1.tm	Method	TBLASTX:Maize
Start	75	End	504
GI	none	Score	587
Exons	75..500, 79..504, 406..501		

Seq. No.	26761	Seq. ID	OJ991215_04.0207.C24
Gene No.	55427	Strand	-
Start	1	End	590
Name	OJ991215_04.0207.C24.o1.gp	Method	AAT/GAP
Start	78	End	504
GI	719_1.R1084	Score	806
Exons	78..504		
GI Descrip.	'1076748/pir||S52003 1.0e-140 major intrinsic protein - rice >gi_440869_dbj_BAA04257_ (D17443) major intrinsic protein [Oryza sativa]'		

Seq. No.	26761	Seq. ID	OJ991215_04.0207.C24
Gene No.	55427	Strand	-
Start	1	End	590
Name	OJ991215_04.0207.C24.o1.gs	Method	GENSCAN
Start	78	End	500
GI	none	Score	.66
Exons	78..500		

Seq. No.	26761	Seq. ID	OJ991215_04.0207.C24
Gene No.	55427	Strand	-
Start	1	End	590
Name	OJ991215_04.0207.C24.o1.tw	Method	TBLASTX:Wheat
Start	301	End	500
GI	none	Score	85
Exons	301..387, 303..500		

Seq. No.	26762	Seq. ID	OJ991215_04.0207.C25
Gene No.	55428	Strand	-
Start	1	End	465
Name	OJ991215_04.0207.C25.o1.np	Method	AAT/NAP
Start	1	End	465
GI	6539553	Score	688
Exons	1..465		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	26762	Seq. ID	OJ991215_04.0207.C25
Gene No.	55428	Strand	-
Start	1	End	465
Name	OJ991215_04.0207.C25.o1.ts	Method	TBLASTX:Soybean

Start	1	End	443
GI	5509260	Score	53
Exons	1..54, 2..52, 78..149, 131..274, 271..351, 366..443		
GI Descrip.	-		

Seq. No.	26762	Seq. ID	OJ991215_04.0207.C25
Gene No.	55428	Strand	-
Start	1	End	465
Name	OJ991215_04.0207.C25.o1.tm	Method	TBLASTX:Maize
Start	1	End	274
GI	none	Score	110
Exons	1..54, 84..149, 131..274		

Seq. No.	26762	Seq. ID	OJ991215_04.0207.C25
Gene No.	55428	Strand	-
Start	1	End	465
Name	OJ991215_04.0207.C25.o1.tw	Method	TBLASTX:Wheat
Start	13	End	437
GI	none	Score	61
Exons	13..54, 84..149, 131..274, 192..272, 366..437		

Seq. No.	26762	Seq. ID	OJ991215_04.0207.C25
Gene No.	55428	Strand	-
Start	1	End	465
Name	OJ991215_04.0207.C25.o1.tc	Method	TBLASTX:Cress
Start	93	End	351
GI	none	Score	58
Exons	93..149, 131..274, 253..351, 272..349		

Seq. No.	26763	Seq. ID	OJ991215_04.0207.C31
Gene No.	55429	Strand	+
Start	181	End	678
Name	OJ991215_04.0207.C31.o1.gs	Method	GENSCAN
Start	181	End	678
GI	none	Score	.91
Exons	181..358, 578..678		

Seq. No.	26764	Seq. ID	OJ991215_04.0207.C32
Gene No.	55430	Strand	+
Start	1	End	503
Name	OJ991215_04.0207.C32.o1.np	Method	AAT/NAP
Start	1	End	503
GI	6539553	Score	808
Exons	1..503		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	26764	Seq. ID	OJ991215_04.0207.C32
Gene No.	55430	Strand	+
Start	1	End	503
Name	OJ991215_04.0207.C32.o1.tm	Method	TBLASTX:Maize
Start	43	End	434
GI	none	Score	93
Exons	43..216, 216..434, 251..403		

Seq. No.	26764	Seq. ID	OJ991215_04.0207.C32
Gene No.	55430	Strand	+
Start	1	End	503
Name	OJ991215_04.0207.C32.o1.tw	Method	TBLASTX:Wheat
Start	118	End	438
GI	none	Score	69
Exons	118..213, 120..215, 120..215, 121..240, 193..318, 201..323, 216..368, 248..340, 342..437, 344..436, 388..438		

Seq. No.	26765	Seq. ID	OJ991215_04.0207.C34
Gene No.	55431	Strand	+
Start	1	End	457
Name	OJ991215_04.0207.C34.o1.gp	Method	AAT/GAP
Start	1	End	457
GI	719_1.R1084	Score	893
Exons	1..457		
GI Descrip.	'1076748/pir||S52003 1.0e-140 major intrinsic protein - rice >gi_440869_dbj_BAA04257_ (D17443) major intrinsic protein [Oryza sativa]'		

Seq. No.	26766	Seq. ID	OJ991215_04.0207.C35
Gene No.	55432	Strand	-
Start	1	End	1189
Name	OJ991215_04.0207.C35.o1.gp	Method	AAT/GAP
Start	1	End	929
GI	LIB3433-040-P1-K1-H2	Score	468
Exons	1..226, 893..929		
GI Descrip.	'6056376/gb|AAF02840.1|AC009894_11 5.0e-10 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	26766	Seq. ID	OJ991215_04.0207.C35
Gene No.	55432	Strand	-
Start	1	End	1189
Name	OJ991215_04.0207.C35.o1.np	Method	AAT/NAP
Start	1	End	1189
GI	3021283	Score	166
Exons	1..226, 889..1042, 1155..1189		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	26766	Seq. ID	OJ991215_04.0207.C35
Gene No.	55432	Strand	-
Start	1	End	1189
Name	OJ991215_04.0207.C35.o1.gs	Method	GENSCAN
Start	74	End	226
GI	none	Score	.62
Exons	74..226		

Seq. No.	26767	Seq. ID	OJ991215_04.0207.C36
Gene No.	55433	Strand	-
Start	164	End	273
Name	OJ991215_04.0207.C36.o1.gs	Method	GENSCAN
Start	164	End	273
GI	none	Score	.83
Exons	164..273		

Seq. No.	26768	Seq. ID	OJ991215_04.0207.C37

Gene No.	55434	Strand	+
Start	25	End	69
Name	OJ991215_04.0207.C37.o1.gs	Method	GENSCAN
Start	25	End	69
GI	none	Score	1
Exons	25..69		

Seq. No.	26769	Seq. ID	OJ991215_04.0207.C39
Gene No.	55435	Strand	-
Start	35	End	343
Name	OJ991215_04.0207.C39.o1.gs	Method	GENSCAN
Start	35	End	343
GI	none	Score	.79
Exons	35..343		

Seq. No.	26770	Seq. ID	OJ991215_04.0207.C42
Gene No.	55436	Strand	+
Start	504	End	680
Name	OJ991215_04.0207.C42.o1.gs	Method	GENSCAN
Start	504	End	680
GI	none	Score	.67
Exons	504..680		

Seq. No.	26771	Seq. ID	OJ991215_04.0207.C43
Gene No.	55437	Strand	+
Start	405	End	526
Name	OJ991215_04.0207.C43.o1.gs	Method	GENSCAN
Start	405	End	526
GI	none	Score	.55
Exons	405..526		

Seq. No.	26772	Seq. ID	OJ991215_04.0207.C44
Gene No.	55438	Strand	-
Start	1	End	293
Name	OJ991215_04.0207.C44.o1.np	Method	AAT/NAP
Start	1	End	293
GI	4063770	Score	226
Exons	1..293		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	26773	Seq. ID	OJ991215_04.0207.C48
Gene No.	55439	Strand	
Start	260	End	580
Name	OJ991215_04.0207.C48.o1.tm	Method	TBLASTX:Maize
Start	260	End	580
GI	none	Score	50
Exons	260..433, 272..370, 461..580, 465..575		

Seq. No.	26774	Seq. ID	OJ991215_04.0207.C49
Gene No.	55440	Strand	-
Start	171	End	296
Name	OJ991215_04.0207.C49.o1.gs	Method	GENSCAN
Start	171	End	296
GI	none	Score	.88
Exons	171..296		

Seq. No.	26775	Seq. ID	OJ991215_04.0207.C52

Gene No.	55441	Strand	-
Start	740	End	824
Name	OJ991215_04.0207.C52.o1.gs	Method	GENSCAN
Start	740	End	824
GI	none	Score	.77
Exons	740..824		

Seq. No.	26776	Seq. ID	OJ991215_04.0207.C57
Gene No.	55442	Strand	+
Start	1	End	216
Name	OJ991215_04.0207.C57.o1.np	Method	AAT/NAP
Start	1	End	216
GI	4512675	Score	137
Exons	1..216		
GI Descrip.	(AC006931) putative citrate synthase [Arabidopsis thaliana]		

Seq. No.	26776	Seq. ID	OJ991215_04.0207.C57
Gene No.	55442	Strand	+
Start	1	End	216
Name	OJ991215_04.0207.C57.o1.gp	Method	AAT/GAP
Start	78	End	216
GI	1765_3.R1084	Score	174
Exons	78..216		
GI Descrip.	'4512675/gb|AAD21729.1| 1.0e-154 (AC006931) putative citrate synthase [Arabidopsis thaliana]'		

Seq. No.	26777	Seq. ID	OJ991215_04.0207.C62
Gene No.	55443	Strand	-
Start	318	End	651
Name	OJ991215_04.0207.C62.o1.gs	Method	GENSCAN
Start	318	End	574
GI	none	Score	.67
Exons	318..574		

Seq. No.	26777	Seq. ID	OJ991215_04.0207.C62
Gene No.	55443	Strand	-
Start	318	End	651
Name	OJ991215_04.0207.C62.o1.np	Method	AAT/NAP
Start	354	End	651
GI	2190540	Score	281
Exons	354..651		
GI Descrip.	(AC001229) Similar to Arabidopsis TFL1 (gb|U77674). [Arabidopsis thaliana] gi|4903012|dbj|BAA77838.1| (AB027504) FT [Arabidopsis thaliana] gi|6117978|gb|AAF03936.1|AF152096_1 (AF152096) flowering locus T [Arabidopsis thaliana]		

Seq. No.	26777	Seq. ID	OJ991215_04.0207.C62
Gene No.	55443	Strand	-
Start	318	End	651
Name	OJ991215_04.0207.C62.o1.tm	Method	TBLASTX:Maize
Start	354	End	575
GI	none	Score	256
Exons	354..575		

Seq. No.	26777	Seq. ID	OJ991215_04.0207.C62
Gene No.	55443	Strand	-
Start	318	End	651

Name	OJ991215_04.0207.C62.o1.ts	Method	TBLASTX:Soybean
Start	355	End	576
GI	none	Score	164
Exons	355..576, 357..575		

Seq. No.	26778	Seq. ID	OJ991215_04.0207.C65
Gene No.	55444	Strand	+
Start	294	End	537
Name	OJ991215_04.0207.C65.o1.gs	Method	GENSCAN
Start	294	End	537
GI	none	Score	.85
Exons	294..431, 486..537		

Seq. No.	26779	Seq. ID	OJ991215_02.0224.C2
Gene No.	55445	Strand	+
Start	451	End	593
Name	OJ991215_02.0224.C2.o1.gs	Method	GENSCAN
Start	451	End	593
GI	none	Score	.66
Exons	451..593		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55446	Strand	+
Start	8297	End	18725
Name	OJ991215_02.0224.C3.o2.gs	Method	GENSCAN
Start	8297	End	16324
GI	none	Score	.63
Exons	8297..8503, 8865..8932, 9774..9906, 10258..12079, 12183..12238, 12338..12484, 12988..13582, 13705..14141, 14471..14807, 16311..16324		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55446	Strand	+
Start	8297	End	18725
Name	OJ991215_02.0224.C3.o1.np	Method	AAT/NAP
Start	12395	End	15498
GI	4416302	Score	3322
Exons	12395..15498		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55446	Strand	+
Start	8297	End	18725
Name	OJ991215_02.0224.C3.o2.np	Method	AAT/NAP
Start	14001	End	18725
GI	6063554	Score	357
Exons	14001..14051, 16928..17207, 17318..17553, 17891..17918, 18551..18725		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55447	Strand	+
Start	18896	End	21076
Name	OJ991215_02.0224.C3.o4.gs	Method	GENSCAN
Start	18896	End	21076

GI	none	Score	.53
Exons	18896..18899, 20165..20350, 20574..21076		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o4.ts	Method	TBLASTX:Soybean
Start	10330	End	12505
GI	none	Score	83
Exons	10330..10452, 10516..10848, 10939..11082, 11158..11205, 12295..12336, 12365..12430, 12455..12505		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o5.tw	Method	TBLASTX:Wheat
Start	10363	End	10752
GI	none	Score	89
Exons	10363..10497, 10510..10752		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o5.tm	Method	TBLASTX:Maize
Start	12223	End	12607
GI	none	Score	101
Exons	12223..12315, 12225..12317, 12344..12607, 12355..12420, 12448..12576		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o3.tw	Method	TBLASTX:Wheat
Start	12359	End	12676
GI	none	Score	235
Exons	12359..12676, 12373..12594		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o6.tm	Method	TBLASTX:Maize
Start	12610	End	12975
GI	none	Score	57
Exons	12610..12705, 12626..12706, 12706..12792, 12707..12910, 12711..12926, 12721..12960, 12861..12974, 12868..12975		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o2.tw	Method	TBLASTX:Wheat
Start	12747	End	13320
GI	none	Score	67
Exons	12747..12791, 12748..12801, 12868..12993, 12873..12974, 13033..13311, 13033..13320		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-

Start	19093	End	19393
Name	OJ991215_02.0224.C3.o2.tm	Method	TBLASTX:Maize
Start	12982	End	13841
GI	none	Score	92
Exons	12982..13053, 12989..13054, 13018..13575, 13053..13631, 13054..13671, 13427..13672, 13520..13642, 13603..13671, 13682..13780, 13683..13841, 13731..13769		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o3.ts	Method	TBLASTX:Soybean
Start	13162	End	13623
GI	none	Score	339
Exons	13162..13623, 13191..13340, 13192..13353, 13419..13607		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o2.tc	Method	TBLASTX:Cress
Start	13204	End	13620
GI	none	Score	194
Exons	13204..13620		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o4.tm	Method	TBLASTX:Maize
Start	13842	End	14155
GI	none	Score	285
Exons	13842..14090, 13862..14125, 14079..14153, 14081..14155		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o1.ts	Method	TBLASTX:Soybean
Start	13857	End	14469
GI	5509260	Score	359
Exons	13857..14183, 13952..14173, 14171..14461, 14185..14469, 14186..14464, 14206..14469		
GI Descrip.	-		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o1.tw	Method	TBLASTX:Wheat
Start	13986	End	14461
GI	none	Score	82
Exons	13986..14075, 14073..14102, 14082..14108, 14109..14189, 14114..14182, 14121..14213, 14181..14441, 14183..14455, 14183..14242, 14184..14243, 14185..14454, 14285..14461		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o3.tm	Method	TBLASTX:Maize
Start	14276	End	14707

GI	none	Score	543
Exons	14276..14707, 14283..14576, 14284..14706		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o4.tw	Method	TBLASTX:Wheat
Start	14645	End	15076
GI	none	Score	102
Exons	14645..14806, 14819..15076		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o1.tm	Method	TBLASTX:Maize
Start	14831	End	15604
GI	none	Score	581
Exons	14831..15238, 14833..15219, 15226..15492, 15240..15533, 15395..15595, 15575..15604		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o2.ts	Method	TBLASTX:Soybean
Start	14840	End	15468
GI	none	Score	299
Exons	14840..15238, 14845..15216, 14852..15223, 15256..15468, 15264..15431		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o1.tc	Method	TBLASTX:Cress
Start	15023	End	15477
GI	none	Score	64
Exons	15023..15109, 15113..15223, 15250..15477, 15258..15425		

Seq. No.	26780	Seq. ID	OJ991215_02.0224.C3
Gene No.	55448	Strand	-
Start	19093	End	19393
Name	OJ991215_02.0224.C3.o1.gp	Method	AAT/GAP
Start	19093	End	19393
GI	61605_3.R1084	Score	446
Exons	19093..19393		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	26781	Seq. ID	OJ991215_02.0224.C4
Gene No.	55449	Strand	+
Start	1226	End	1350
Name	OJ991215_02.0224.C4.o1.gp	Method	AAT/GAP
Start	1226	End	1350
GI	288_16.R1084	Score	207
Exons	1226..1350		
GI Descrip.	'1658313/emb|CAA70174| 4.0e-18 (Y08987) osr40g2 [Oryza sativa]'		

Seq. No.	26781	Seq. ID	OJ991215_02.0224.C4

Gene No.	55450	Strand	-
Start	92	End	551
Name	OJ991215_02.0224.C4.o1.gs	Method	GENSCAN
Start	92	End	551
GI	none	Score	.71
Exons	92..210, 284..472, 498..551		

Seq. No.	26781	Seq. ID	OJ991215_02.0224.C4
Gene No.	55451	Strand	-
Start	2282	End	3656
Name	OJ991215_02.0224.C4.o2.gs	Method	GENSCAN
Start	2282	End	3656
GI	none	Score	.79
Exons	2282..2808, 3467..3656		

Seq. No.	26781	Seq. ID	OJ991215_02.0224.C4
Gene No.	55451	Strand	-
Start	2282	End	3656
Name	OJ991215_02.0224.C4.o1.np	Method	AAT/NAP
Start	2452	End	3229
GI	2213632	Score	645
Exons	2452..3229		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	26781	Seq. ID	OJ991215_02.0224.C4
Gene No.	55452	Strand	-
Start	5048	End	5887
Name	OJ991215_02.0224.C4.o1.tm	Method	TBLASTX:Maize
Start	2507	End	2987
GI	none	Score	48
Exons	2507..2572, 2552..2614, 2574..2615, 2612..2947, 2685..2930, 2837..2938, 2948..2986, 2952..2987		

Seq. No.	26781	Seq. ID	OJ991215_02.0224.C4
Gene No.	55452	Strand	-
Start	5048	End	5887
Name	OJ991215_02.0224.C4.o1.tw	Method	TBLASTX:Wheat
Start	2519	End	2933
GI	none	Score	139
Exons	2519..2746, 2519..2746, 2747..2920, 2756..2932, 2766..2933		

Seq. No.	26781	Seq. ID	OJ991215_02.0224.C4
Gene No.	55452	Strand	-
Start	5048	End	5887
Name	OJ991215_02.0224.C4.o2.tm	Method	TBLASTX:Maize
Start	3005	End	3409
GI	none	Score	74
Exons	3005..3409, 3174..3401		

Seq. No.	26781	Seq. ID	OJ991215_02.0224.C4
Gene No.	55452	Strand	-
Start	5048	End	5887
Name	OJ991215_02.0224.C4.o2.tw	Method	TBLASTX:Wheat
Start	3077	End	3456
GI	none	Score	98
Exons	3077..3400, 3099..3392, 3409..3456		

Seq. No.	26781	Seq. ID	OJ991215_02.0224.C4
Gene No.	55452	Strand	-
Start	5048	End	5887
Name	OJ991215_02.0224.C4.o3.gs	Method	GENSCAN
Start	5048	End	5887
GI	none	Score	.62
Exons	5048..5887		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55453	Strand	+
Start	1	End	10622
Name	OJ991215_02.0224.C5.o1.np	Method	AAT/NAP
Start	1	End	1977
GI	5420387	Score	254
Exons	1..95, 781..1283, 1716..1977		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55453	Strand	+
Start	1	End	10622
Name	OJ991215_02.0224.C5.o1.gs	Method	GENSCAN
Start	801	End	2948
GI	none	Score	1
Exons	801..2948		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55453	Strand	+
Start	1	End	10622
Name	OJ991215_02.0224.C5.o2.np	Method	AAT/NAP
Start	2214	End	10622
GI	1351856	Score	342
Exons	2214..2246, 3283..3333, 3659..3711, 3869..4010, 4964..5098, 5142..5240, 6355..6551, 6690..6805, 10551..10622		
GI Descrip.	ACONITATE HYDRATASE, CYTOPLASMIC (CITRATE HYDRO-LYASE) (ACONITASE) gi|868003|dbj|BAA06108| (D29629) aconitase [Cucurbita sp.]		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55454	Strand	-
Start	4057	End	5728
Name	OJ991215_02.0224.C5.o2.gs	Method	GENSCAN
Start	4057	End	5728
GI	none	Score	.7
Exons	4057..4188, 4346..4533, 5659..5728		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55455	Strand	-
Start	8135	End	10949
Name	OJ991215_02.0224.C5.o2.tm	Method	TBLASTX:Maize
Start	1400	End	1616
GI	none	Score	58
Exons	1400..1468, 1401..1463, 1454..1615, 1473..1616		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55455	Strand	-
Start	8135	End	10949
Name	OJ991215_02.0224.C5.o1.tc	Method	TBLASTX:Cress

Start	3656	End	6964
GI	none	Score	65
Exons	3656..3709, 4964..5080, 4966..5085, 5141..5221, 5141..5221, 5157..5222, 6405..6461, 6406..6456, 6461..6532, 6462..6509, 6721..6771, 6776..6928, 6778..6828, 6796..6951, 6917..6964		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55455	Strand	-
Start	8135	End	10949
Name	OJ991215_02.0224.C5.o1.tm	Method	TBLASTX:Maize
Start	3957	End	6991
GI	none	Score	69
Exons	3957..4013, 4964..5083, 4966..5085, 5132..5221, 5157..5222, 6405..6473, 6405..6461, 6461..6508, 6462..6509, 6721..6771, 6776..6928, 6778..6828, 6796..6924, 6917..6991, 6925..6966		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55455	Strand	-
Start	8135	End	10949
Name	OJ991215_02.0224.C5.o1.ts	Method	TBLASTX:Soybean
Start	3957	End	6991
GI	none	Score	65
Exons	3957..4013, 4964..5080, 4965..5078, 4966..5085, 5141..5221, 5157..5222, 6405..6461, 6406..6459, 6462..6509, 6721..6771, 6776..6928, 6778..6828, 6796..6966, 6917..6991		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55455	Strand	-
Start	8135	End	10949
Name	OJ991215_02.0224.C5.o1.tw	Method	TBLASTX:Wheat
Start	6776	End	6991
GI	none	Score	181
Exons	6776..6928, 6805..6951, 6917..6991, 6925..6990		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55455	Strand	-
Start	8135	End	10949
Name	OJ991215_02.0224.C5.o1.gp	Method	AAT/GAP
Start	7839	End	8168
GI	2311342	Score	584
Exons	7839..8168		

Seq. No.	26782	Seq. ID	OJ991215_02.0224.C5
Gene No.	55455	Strand	-
Start	8135	End	10949
Name	OJ991215_02.0224.C5.o3.gs	Method	GENSCAN
Start	8135	End	10949
GI	none	Score	.87
Exons	8135..8285, 10837..10949		

Seq. No.	26783	Seq. ID	OJ991215_02.0224.C6
Gene No.	55456	Strand	+
Start	691	End	4954
Name	OJ991215_02.0224.C6.o1.gs	Method	GENSCAN
Start	691	End	4954
GI	none	Score	.46
Exons	691..790, 1384..1443, 4076..4104, 4820..4954		

Seq. No.	26783	Seq. ID	OJ991215_02.0224.C6
Gene No.	55457	Strand	+
Start	6248	End	12598
Name	OJ991215_02.0224.C6.o1.tm	Method	TBLASTX:Maize
Start	6224	End	7344
GI	none	Score	158
Exons	6224..6394, 6232..6393, 6539..6586, 6892..7068, 6893..7069, 7035..7178, 7046..7342, 7046..7330, 7066..7344, 7075..7344		

Seq. No.	26783	Seq. ID	OJ991215_02.0224.C6
Gene No.	55457	Strand	+
Start	6248	End	12598
Name	OJ991215_02.0224.C6.o1.np	Method	AAT/NAP
Start	6245	End	7342
GI	4127370	Score	591
Exons	6245..6394, 6539..6587, 6894..7342		
GI Descrip.	(AJ010453) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	26783	Seq. ID	OJ991215_02.0224.C6
Gene No.	55457	Strand	+
Start	6248	End	12598
Name	OJ991215_02.0224.C6.o2.gs	Method	GENSCAN
Start	6248	End	12598
GI	none	Score	.49
Exons	6248..6394, 6539..6587, 6894..7312, 7662..7791, 8358..9966, 10069..10201, 10487..10579, 11269..11380, 11382..11469, 12444..12598		

Seq. No.	26783	Seq. ID	OJ991215_02.0224.C6
Gene No.	55457	Strand	+
Start	6248	End	12598
Name	OJ991215_02.0224.C6.o1.tw	Method	TBLASTX:Wheat
Start	6344	End	7327
GI	none	Score	64
Exons	6344..6394, 6539..6586, 6892..6933, 6893..6928, 6923..7327, 6926..7327		

Seq. No.	26783	Seq. ID	OJ991215_02.0224.C6
Gene No.	55457	Strand	+
Start	6248	End	12598
Name	OJ991215_02.0224.C6.o2.tm	Method	TBLASTX:Maize
Start	8501	End	8799
GI	none	Score	252
Exons	8501..8794, 8503..8799		

Seq. No.	26783	Seq. ID	OJ991215_02.0224.C6
Gene No.	55457	Strand	+
Start	6248	End	12598
Name	OJ991215_02.0224.C6.o2.np	Method	AAT/NAP
Start	8510	End	9592
GI	4926870	Score	502
Exons	8510..9592		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	26783	Seq. ID	OJ991215_02.0224.C6

Gene No.	55457	Strand	+
Start	6248	End	12598
Name	OJ991215_02.0224.C6.o2.tw	Method	TBLASTX:Wheat
Start	8552	End	8827
GI	none	Score	282
Exons	8552..8827, 8614..8790		

Seq. No.	26783	Seq. ID	OJ991215_02.0224.C6
Gene No.	55457	Strand	+
Start	6248	End	12598
Name	OJ991215_02.0224.C6.o1.ts	Method	TBLASTX:Soybean
Start	8582	End	8968
GI	none	Score	177
Exons	8582..8893, 8870..8968		

Seq. No.	26783	Seq. ID	OJ991215_02.0224.C6
Gene No.	55457	Strand	+
Start	6248	End	12598
Name	OJ991215_02.0224.C6.o3.tm	Method	TBLASTX:Maize
Start	8807	End	9067
GI	none	Score	67
Exons	8807..8875, 8824..8874, 8927..9067, 8932..9018		

Seq. No.	26784	Seq. ID	OJ991215_02.0224.C7
Gene No.	55458	Strand	-
Start	431	End	952
Name	OJ991215_02.0224.C7.o1.tm	Method	TBLASTX:Maize
Start	418	End	709
GI	none	Score	53
Exons	418..507, 422..508, 427..510, 531..701, 536..709, 536..709		

Seq. No.	26784	Seq. ID	OJ991215_02.0224.C7
Gene No.	55458	Strand	-
Start	431	End	952
Name	OJ991215_02.0224.C7.o1.gs	Method	GENSCAN
Start	431	End	919
GI	none	Score	.74
Exons	431..919		

Seq. No.	26784	Seq. ID	OJ991215_02.0224.C7
Gene No.	55458	Strand	-
Start	431	End	952
Name	OJ991215_02.0224.C7.o1.np	Method	AAT/NAP
Start	461	End	952
GI	1707007	Score	387
Exons	461..952		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26784	Seq. ID	OJ991215_02.0224.C7
Gene No.	55458	Strand	-
Start	431	End	952
Name	OJ991215_02.0224.C7.o1.ts	Method	TBLASTX:Soybean
Start	530	End	952
GI	none	Score	58
Exons	530..949, 566..742, 836..952		

Seq. No.	26784	Seq. ID	OJ991215_02.0224.C7

Gene No.	55458	Strand	-
Start	431	End	952
Name	OJ991215_02.0224.C7.o1.tc	Method	TBLASTX:Cress
Start	575	End	949
GI	none	Score	57
Exons	575..949, 654..722		

Seq. No.	26784	Seq. ID	OJ991215_02.0224.C7
Gene No.	55458	Strand	-
Start	431	End	952
Name	OJ991215_02.0224.C7.o2.tm	Method	TBLASTX:Maize
Start	710	End	949
GI	none	Score	61
Exons	710..949, 711..947		

Seq. No.	26785	Seq. ID	OJ991215_02.0224.C8
Gene No.	55459	Strand	+
Start	2617	End	4745
Name	OJ991215_02.0224.C8.o2.np	Method	AAT/NAP
Start	2617	End	4745
GI	6539570	Score	109
Exons	2617..2820, 2969..3035, 4484..4745		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	26785	Seq. ID	OJ991215_02.0224.C8
Gene No.	55460	Strand	-
Start	1	End	729
Name	OJ991215_02.0224.C8.o1.np	Method	AAT/NAP
Start	1	End	720
GI	1707007	Score	277
Exons	1..720		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26785	Seq. ID	OJ991215_02.0224.C8
Gene No.	55460	Strand	-
Start	1	End	729
Name	OJ991215_02.0224.C8.o1.gs	Method	GENSCAN
Start	43	End	729
GI	none	Score	.61
Exons	43..729		

Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o1.gs	Method	GENSCAN
Start	1059	End	9752
GI	none	Score	.47
Exons	1059..1133, 1669..1773, 1861..1953, 2068..2131, 2412..2663, 2749..2809, 3228..3320, 4078..4984, 5075..5235, 5752..5959, 6611..7128, 7162..7339, 7373..7768, 7968..9716, 9723..9752		

Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o2.np	Method	AAT/NAP
Start	5562	End	11345
GI	4680203	Score	1584

Exons	5562..5586, 6702..7549, 7826..8033, 8190..9824, 11277..11345		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o3.ts	Method	TBLASTX:Soybean
Start	6743	End	6956
GI	none	Score	89
Exons	6743..6955, 6774..6956		
Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o1.tw	Method	TBLASTX:Wheat
Start	6803	End	7903
GI	none	Score	63
Exons	6803..6904, 6810..6902, 6906..7025, 6920..7018, 7013..7201, 7029..7211, 7220..7903, 7308..7688, 7400..7705, 7755..7883		
Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o3.tm	Method	TBLASTX:Maize
Start	7037	End	7327
GI	none	Score	85
Exons	7037..7144, 7038..7145, 7157..7327, 7158..7325		
Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o2.tc	Method	TBLASTX:Cress
Start	7220	End	7645
GI	none	Score	122
Exons	7220..7645, 7308..7637		
Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o1.tm	Method	TBLASTX:Maize
Start	7577	End	7961
GI	none	Score	254
Exons	7577..7891, 7578..7952, 7690..7938, 7764..7961		
Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o4.tw	Method	TBLASTX:Wheat
Start	8565	End	8807
GI	none	Score	48
Exons	8565..8663, 8581..8652, 8709..8807, 8710..8805		
Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o2.tm	Method	TBLASTX:Maize
Start	8724	End	8988

GI	none	Score	97
Exons	8724..8978, 8776..8988		

Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o1.tc	Method	TBLASTX:Cress
Start	8757	End	9107
GI	none	Score	78
Exons	8757..9107, 8812..8919, 8953..9003		

Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o2.ts	Method	TBLASTX:Soybean
Start	8829	End	9113
GI	none	Score	130
Exons	8829..9113, 8839..9078		

Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o3.tw	Method	TBLASTX:Wheat
Start	8853	End	9446
GI	none	Score	69
Exons	8853..8978, 8854..8961, 8976..9074, 8982..9098, 9154..9444, 9156..9446		

Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55461	Strand	-
Start	1059	End	11345
Name	OJ991215_02.0224.C9.o1.ts	Method	TBLASTX:Soybean
Start	9130	End	9428
GI	none	Score	109
Exons	9130..9411, 9156..9428		

Seq. No.	26786	Seq. ID	OJ991215_02.0224.C9
Gene No.	55462	Strand	
Start	14516	End	14847
Name	OJ991215_02.0224.C9.o2.tw	Method	TBLASTX:Wheat
Start	14516	End	14847
GI	none	Score	346
Exons	14516..14701, 14524..14847, 14525..14842		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55463	Strand	+
Start	152	End	1492
Name	OJ991215_02.0224.C10.o1.gs	Method	GENSCAN
Start	152	End	1492
GI	none	Score	.47
Exons	152..249, 372..465, 1196..1492		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55464	Strand	+
Start	2573	End	4748
Name	OJ991215_02.0224.C10.o3.np	Method	AAT/NAP
Start	2555	End	4745

GI	1621465	Score	1124
Exons	2555..2683, 2789..2940, 3045..3289, 3413..4522, 4618..4745		
GI Descrip.	(U73105) laccase [Liriodendron tulipifera]		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55464	Strand	+
Start	2573	End	4748
Name	OJ991215_02.0224.C10.o2.gs	Method	GENSCAN
Start	2573	End	4748
GI	none	Score	.9
Exons	2573..2683, 2789..2940, 3045..3311, 3317..3350, 3418..4522, 4618..4748		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55465	Strand	+
Start	10600	End	14459
Name	OJ991215_02.0224.C10.o4.np	Method	AAT/NAP
Start	10600	End	14459
GI	6681341	Score	475
Exons	10600..10678, 10836..11140, 12896..13391, 14307..14459		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi|6682260|gb|AAF23312.1|AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55465	Strand	+
Start	10600	End	14459
Name	OJ991215_02.0224.C10.o1.gp	Method	AAT/GAP
Start	10847	End	13070
GI	none	Score	882
Exons	10847..11140, 12896..13070		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55465	Strand	+
Start	10600	End	14459
Name	OJ991215_02.0224.C10.o2.gp	Method	AAT/GAP
Start	13060	End	13384
GI	none	Score	552
Exons	13060..13384		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55466	Strand	-
Start	1	End	1492
Name	OJ991215_02.0224.C10.o1.np	Method	AAT/NAP
Start	1	End	1492
GI	6539570	Score	189
Exons	1..245, 1002..1076, 1279..1492		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55467	Strand	-
Start	1629	End	2973
Name	OJ991215_02.0224.C10.o2.np	Method	AAT/NAP
Start	1629	End	2973
GI	6630699	Score	73
Exons	1629..1706, 2925..2973		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55468	Strand	-
Start	5660	End	8004
Name	OJ991215_02.0224.C10.o3.gs	Method	GENSCAN
Start	5660	End	8004
GI	none	Score	.54
Exons	5660..5799, 5937..6032, 6101..6655, 7986..8004		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o1.tc	Method	TBLASTX:Cress
Start	2789	End	3291
GI	none	Score	166
Exons	2789..2941, 2806..2940, 3045..3212, 3046..3228, 3253..3291		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o2.ts	Method	TBLASTX:Soybean
Start	2789	End	3270
GI	none	Score	94
Exons	2789..2863, 2803..2877, 2852..2941, 2881..2940, 3045..3239, 3046..3270		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o3.tm	Method	TBLASTX:Maize
Start	2864	End	3288
GI	none	Score	49
Exons	2864..2941, 3045..3176, 3045..3287, 3046..3288		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o2.tw	Method	TBLASTX:Wheat
Start	3046	End	3291
GI	none	Score	266
Exons	3046..3291, 3069..3290		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o4.tm	Method	TBLASTX:Maize
Start	3415	End	3725
GI	none	Score	81
Exons	3415..3525, 3459..3518, 3532..3723, 3546..3725		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o4.ts	Method	TBLASTX:Soybean
Start	3415	End	3858

GI	none	Score	99
Exons	3415..3543, 3462..3515, 3522..3725, 3532..3723, 3823..3858		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o3.tw	Method	TBLASTX:Wheat
Start	3532	End	3874
GI	none	Score	192
Exons	3532..3738, 3541..3738, 3543..3743, 3728..3874		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o2.tm	Method	TBLASTX:Maize
Start	4111	End	4748
GI	none	Score	65
Exons	4111..4242, 4278..4325, 4279..4344, 4336..4524, 4344..4526, 4616..4744, 4617..4748		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o3.ts	Method	TBLASTX:Soybean
Start	4350	End	4748
GI	none	Score	221
Exons	4350..4526, 4351..4524, 4616..4744, 4617..4748		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o2.tc	Method	TBLASTX:Cress
Start	4378	End	4751
GI	none	Score	150
Exons	4378..4524, 4383..4526, 4617..4751		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o1.ts	Method	TBLASTX:Soybean
Start	12882	End	14414
GI	none	Score	200
Exons	12882..13139, 12893..13102, 12951..13139, 13194..13391, 13196..13381, 14196..14243, 14306..14401, 14307..14414		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o1.tm	Method	TBLASTX:Maize
Start	12954	End	14438
GI	none	Score	166
Exons	12954..13142, 12965..13144, 13173..13391, 13175..13390, 14306..14425, 14307..14438		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678

Name	OJ991215_02.0224.C10.o1.tw	Method	TBLASTX:Wheat
Start	12968	End	13332
GI	none	Score	162
Exons	12968..13144, 12969..13142, 13173..13331, 13181..13330, 13183..13332, 13198..13332		

Seq. No.	26787	Seq. ID	OJ991215_02.0224.C10
Gene No.	55469	Strand	-
Start	14381	End	14678
Name	OJ991215_02.0224.C10.o3.gp	Method	AAT/GAP
Start	14381	End	14678
GI	5002971	Score	550
Exons	14381..14678		

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55470	Strand	+
Start	100	End	644
Name	OJ991215_02.0224.C11.o1.gs	Method	GENSCAN
Start	100	End	644
GI	none	Score	.65
Exons	100..241, 508..644		

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55471	Strand	+
Start	2305	End	2465
Name	OJ991215_02.0224.C11.o1.gp	Method	AAT/GAP
Start	2305	End	2465
GI	none	Score	294
Exons	2305..2465		

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55472	Strand	-
Start	2487	End	7721
Name	OJ991215_02.0224.C11.o1.np	Method	AAT/NAP
Start	2412	End	5852
GI	6729012	Score	1647
Exons	2412..2477, 2567..2813, 2968..3182, 3264..3443, 3638..3902, 4374..4588, 4677..4886, 5019..5076, 5589..5852		
GI Descrip.	(AC016827) putative GTPase [Arabidopsis thaliana]		

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55472	Strand	-
Start	2487	End	7721
Name	OJ991215_02.0224.C11.o2.gs	Method	GENSCAN
Start	2487	End	7721
GI	none	Score	.61
Exons	2487..2813, 2971..3182, 3264..3443, 3638..3902, 4374..4588, 4677..4850, 4938..5100, 5423..5476, 5589..6072, 6513..6934, 7029..7243, 7541..7721		

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55472	Strand	-
Start	2487	End	7721
Name	OJ991215_02.0224.C11.o2.gp	Method	AAT/GAP
Start	4712	End	5927
GI	28067_1.R1084	Score	1173
Exons	4712..4850, 4938..5076, 5589..5927		

GI Descrip. '629881/pir||S40612 5.0e-10 myosin-related protein - slime mold (Physarum polycephalum) >gi_511053_emb_CAA79924_ (Z21878) myosin-related protein [Physarum polycephalum]'

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55473	Strand	-
Start	11539	End	11717
Name	OJ991215_02.0224.C11.o2.tm	Method	TBLASTX:Maize
Start	2478	End	3030
GI	none	Score	42
Exons	2478..2813, 2480..2815, 2487..2525, 2561..2836, 2971..3030, 2971..3030		

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55473	Strand	-
Start	11539	End	11717
Name	OJ991215_02.0224.C11.o1.ts	Method	TBLASTX:Soybean
Start	2493	End	3438
GI	none	Score	64
Exons	2493..2612, 2676..2774, 2971..3102, 2971..3198, 2999..3184, 3244..3345, 3256..3372, 3260..3385, 3379..3438, 3388..3438		

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55473	Strand	-
Start	11539	End	11717
Name	OJ991215_02.0224.C11.o3.tm	Method	TBLASTX:Maize
Start	3130	End	3825
GI	none	Score	67
Exons	3130..3198, 3131..3184, 3256..3453, 3260..3445, 3633..3746, 3633..3824, 3634..3825		

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55473	Strand	-
Start	11539	End	11717
Name	OJ991215_02.0224.C11.o2.ts	Method	TBLASTX:Soybean
Start	3663	End	4574
GI	none	Score	131
Exons	3663..3905, 3676..3834, 3689..3889, 4369..4431, 4371..4430, 4485..4574, 4489..4566		

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55473	Strand	-
Start	11539	End	11717
Name	OJ991215_02.0224.C11.o1.tm	Method	TBLASTX:Maize
Start	4446	End	5805
GI	none	Score	139
Exons	4446..4556, 4459..4557, 4554..4589, 4561..4590, 4668..4775, 4669..4857, 4677..4850, 4679..4852, 4918..5079, 4950..5078, 5640..5723, 5677..5727, 5734..5805		

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55473	Strand	-
Start	11539	End	11717
Name	OJ991215_02.0224.C11.o3.ts	Method	TBLASTX:Soybean
Start	4669	End	5802
GI	none	Score	165
Exons	4669..4851, 4679..4846, 4698..4853, 4721..4852, 4729..4854,		

4999..5079, 5640..5729, 5677..5802

Seq. No.	26788	Seq. ID	OJ991215_02.0224.C11
Gene No.	55473	Strand	-
Start	11539	End	11717
Name	OJ991215_02.0224.C11.o3.gs	Method	GENSCAN
Start	11539	End	11717
GI	none	Score	.56
Exons	11539..11717		

Seq. No.	26789	Seq. ID	OJ991215_02.0224.C12
Gene No.	55474	Strand	+
Start	236	End	366
Name	OJ991215_02.0224.C12.o1.gs	Method	GENSCAN
Start	236	End	366
GI	none	Score	.86
Exons	236..366		

Seq. No.	26789	Seq. ID	OJ991215_02.0224.C12
Gene No.	55475	Strand	+
Start	453	End	512
Name	OJ991215_02.0224.C12.o1.gp	Method	AAT/GAP
Start	453	End	512
GI	2338_1.R1084	Score	75
Exons	453..512		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o3.tm	Method	TBLASTX:Maize
Start	801	End	1077
GI	none	Score	245
Exons	801..1076, 802..1050, 821..1063, 823..1077		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o1.gs	Method	GENSCAN
Start	822	End	3790
GI	none	Score	.69
Exons	822..2308, 2335..3790		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o1.tw	Method	TBLASTX:Wheat
Start	840	End	2057
GI	none	Score	97
Exons	840..965, 841..954, 949..1170, 969..1187, 1977..2057		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o2.ts	Method	TBLASTX:Soybean
Start	852	End	2087

GI	4396873	Score	64
Exons	852..947, 853..978, 924..1214, 994..1206, 1992..2087		
GI Descrip.	4432867/gb_AAD20715_ 2.0e-09 (AC006300) putative dnaJ-like protein [Arabidopsis thaliana]		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o1.tm	Method	TBLASTX:Maize
Start	1080	End	2253
GI	none	Score	648
Exons	1080..1217, 1248..1373, 1614..2240, 1620..2243, 1621..2253		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o2.tc	Method	TBLASTX:Cress
Start	1092	End	2171
GI	none	Score	198
Exons	1092..1235, 1248..1298, 1857..2171		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o4.tm	Method	TBLASTX:Maize
Start	1374	End	2408
GI	none	Score	145
Exons	1374..1517, 1375..1494, 1377..1514, 2256..2408		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o1.np	Method	AAT/NAP
Start	1527	End	3845
GI	6437559	Score	766
Exons	1527..1606, 1709..2725, 2801..3171, 3286..3845		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o1.gp	Method	AAT/GAP
Start	2728	End	3194
GI	2310280	Score	887
Exons	2728..3194		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o2.tm	Method	TBLASTX:Maize
Start	3426	End	3809
GI	none	Score	346
Exons	3426..3809, 3438..3800, 3443..3808		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845

Name	OJ991215_02.0224.C13.o2.tw	Method	TBLASTX:Wheat
Start	3458	End	3724
GI	none	Score	88
Exons	3458..3667, 3489..3617, 3662..3724		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o1.tc	Method	TBLASTX:Cress
Start	3476	End	3841
GI	none	Score	110
Exons	3476..3679, 3507..3656, 3656..3841, 3657..3818		

Seq. No.	26790	Seq. ID	OJ991215_02.0224.C13
Gene No.	55476	Strand	-
Start	822	End	3845
Name	OJ991215_02.0224.C13.o1.ts	Method	TBLASTX:Soybean
Start	3539	End	3775
GI	none	Score	85
Exons	3539..3652, 3540..3650, 3656..3775, 3679..3747		

Seq. No.	26791	Seq. ID	OJ991215_02.0224.C15
Gene No.	55477	Strand	+
Start	3185	End	11765
Name	OJ991215_02.0224.C15.o1.gs	Method	GENSCAN
Start	3185	End	11604
GI	none	Score	.75
Exons	3185..3238, 4672..4682, 4814..4919, 6087..6305, 7386..7669, 8862..8925, 9016..9133, 9206..9346, 11116..11264, 11439..11604		

Seq. No.	26791	Seq. ID	OJ991215_02.0224.C15
Gene No.	55477	Strand	+
Start	3185	End	11765
Name	OJ991215_02.0224.C15.o1.ts	Method	TBLASTX:Soybean
Start	4803	End	11594
GI	none	Score	154
Exons	4803..4922, 4811..4879, 4815..4919, 6086..6307, 6087..6317, 6144..6317, 7320..7667, 7322..7669, 7382..7669, 8860..8925, 9013..9051, 9015..9050, 9043..9150, 9051..9122, 9241..9351, 11091..11264, 11165..11254, 11432..11590, 11433..11594		

Seq. No.	26791	Seq. ID	OJ991215_02.0224.C15
Gene No.	55477	Strand	+
Start	3185	End	11765
Name	OJ991215_02.0224.C15.o2.tc	Method	TBLASTX:Cress
Start	4803	End	7403
GI	none	Score	147
Exons	4803..4922, 4812..4922, 6081..6290, 6086..6292, 6087..6317, 7314..7403, 7322..7402		

Seq. No.	26791	Seq. ID	OJ991215_02.0224.C15
Gene No.	55477	Strand	+
Start	3185	End	11765
Name	OJ991215_02.0224.C15.o1.tm	Method	TBLASTX:Maize
Start	4811	End	7641
GI	none	Score	159
Exons	4811..4921, 4812..4922, 6065..6307, 6087..6305, 7319..7639,		

7320..7640, 7504..7641

Seq. No.	26791	Seq. ID	OJ991215_02.0224.C15
Gene No.	55477	Strand	+
Start	3185	End	11765
Name	OJ991215_02.0224.C15.o1.np	Method	AAT/NAP
Start	4813	End	11750
GI	3169883	Score	1252
Exons	4813..4919, 6087..6305, 7323..7669, 8862..8925, 9016..9144, 9232..9346, 11116..11264, 11439..11595, 11707..11750		
GI Descrip.	(AF033194) dehydroquinate dehydratase/shikimate:NADP oxidoreductase [Lycopersicon esculentum] gi|3169888 (AF034411) dehydroquinate dehydratase/shikimate:NADP oxidoreductase [Lycopersicon esculentum]		

Seq. No.	26791	Seq. ID	OJ991215_02.0224.C15
Gene No.	55477	Strand	+
Start	3185	End	11765
Name	OJ991215_02.0224.C15.o1.tw	Method	TBLASTX:Wheat
Start	6210	End	7621
GI	none	Score	131
Exons	6210..6305, 6211..6306, 6215..6307, 7319..7621, 7320..7619, 7498..7620		

Seq. No.	26791	Seq. ID	OJ991215_02.0224.C15
Gene No.	55477	Strand	+
Start	3185	End	11765
Name	OJ991215_02.0224.C15.o1.tc	Method	TBLASTX:Cress
Start	7404	End	9155
GI	none	Score	298
Exons	7404..7667, 7406..7669, 7443..7691, 8860..8925, 9013..9048, 9033..9113, 9043..9117, 9066..9155		

Seq. No.	26791	Seq. ID	OJ991215_02.0224.C15
Gene No.	55477	Strand	+
Start	3185	End	11765
Name	OJ991215_02.0224.C15.o2.tm	Method	TBLASTX:Maize
Start	8843	End	11765
GI	none	Score	67
Exons	8843..8923, 8856..8924, 8860..8925, 9013..9123, 9015..9122, 9204..9242, 9208..9369, 9319..9366, 11091..11264, 11124..11267, 11436..11603, 11437..11502, 11438..11590, 11551..11610, 11708..11758, 11710..11760, 11711..11761, 11712..11765, 11715..11765		

Seq. No.	26791	Seq. ID	OJ991215_02.0224.C15
Gene No.	55477	Strand	+
Start	3185	End	11765
Name	OJ991215_02.0224.C15.o1.gp	Method	AAT/GAP
Start	9202	End	11761
GI	39479_1.R1084	Score	875
Exons	9202..9346, 11116..11264, 11439..11604, 11713..11761		
GI Descrip.	'629688/pir||S46210 1.0e-23 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	26792	Seq. ID	OJ991215_02.0224.C16
Gene No.	55478	Strand	-
Start	406	End	882
Name	OJ991215_02.0224.C16.o1.gp	Method	AAT/GAP
Start	406	End	882
GI	39479_1.R1084	Score	904
Exons	406..882		
GI Descrip.	'629688/pir||S46210 1.0e-23 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55479	Strand	+
Start	1481	End	16957
Name	OJ991215_02.0224.C17.o1.gs	Method	GENSCAN
Start	1481	End	16957
GI	none	Score	.4
Exons	1481..1637, 2241..2381, 2779..2971, 8601..8706, 10103..10321, 10761..11048, 13029..13196, 13794..14035, 15276..15339, 15440..15545, 15634..15774, 16091..16239, 16596..16761, 16938..16957		

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55479	Strand	+
Start	1481	End	16957
Name	OJ991215_02.0224.C17.o2.np	Method	AAT/NAP
Start	5887	End	16927
GI	629688	Score	1156
Exons	5887..5941, 8584..8706, 10103..10321, 13689..14035, 15276..15339, 15440..15548, 15640..15774, 16091..16239, 16596..16927		
GI Descrip.	dehydroquinase shikimate dehydrogenase - Common tobacco gi|535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]		

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55479	Strand	+
Start	1481	End	16957
Name	OJ991215_02.0224.C17.o1.gp	Method	AAT/GAP
Start	15696	End	16231
GI	4968760	Score	372
Exons	15696..15774, 16091..16231		
GI Descrip.	629688/pir||S46210 3.0e-29 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]		

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55479	Strand	+
Start	1481	End	16957
Name	OJ991215_02.0224.C17.o2.gp	Method	AAT/GAP
Start	16081	End	16239
GI	4968760	Score	216
Exons	16081..16239		
GI Descrip.	629688/pir||S46210 3.0e-29 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794)		

dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55480	Strand	-
Start	2281	End	6574
Name	OJ991215_02.0224.C17.o1.np	Method	AAT/NAP
Start	2281	End	6574
GI	6815052	Score	412
Exons	2281..2400, 2692..2762, 2844..3007, 6534..6574		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55481	Strand	
Start	8590	End	16898
Name	OJ991215_02.0224.C17.o1.ts	Method	TBLASTX:Soybean
Start	8590	End	16748
GI	none	Score	136
Exons	8590..8700, 8590..8706, 8598..8708, 10102..10323, 10103..10333, 10123..10335, 13686..14033, 13688..14035, 15259..15339, 15437..15475, 15467..15547, 15662..15772, 15669..15779, 16090..16239, 16140..16229, 16593..16748, 16595..16747		

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55481	Strand	
Start	8590	End	16898
Name	OJ991215_02.0224.C17.o2.tc	Method	TBLASTX:Cress
Start	8590	End	13769
GI	none	Score	136
Exons	8590..8700, 8598..8708, 10102..10308, 10103..10333, 13658..13768, 13667..13756, 13680..13769		

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55481	Strand	
Start	8590	End	16898
Name	OJ991215_02.0224.C17.o2.tm	Method	TBLASTX:Maize
Start	10109	End	13777
GI	none	Score	322
Exons	10109..10333, 10110..10322, 10111..10323, 13658..13777, 13686..13775, 13687..13776		

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55481	Strand	
Start	8590	End	16898
Name	OJ991215_02.0224.C17.o1.tw	Method	TBLASTX:Wheat
Start	10226	End	13985
GI	none	Score	133
Exons	10226..10321, 10231..10323, 13685..13981, 13686..13985		

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55481	Strand	
Start	8590	End	16898
Name	OJ991215_02.0224.C17.o1.tc	Method	TBLASTX:Cress
Start	13770	End	15541
GI	none	Score	284
Exons	13770..14033, 13772..14035, 15259..15339, 15467..15541		

Seq. No.	26793	Seq. ID	OJ991215_02.0224.C17
Gene No.	55481	Strand	
Start	8590	End	16898
Name	OJ991215_02.0224.C17.o1.tm	Method	TBLASTX:Maize
Start	13862	End	16898
GI	none	Score	265
Exons	13862..14035, 13863..14033, 13864..14046, 15257..15337, 15258..15338, 15259..15339, 15259..15339, 15437..15547, 15437..15547, 15477..15548, 15632..15772, 15633..15782, 16090..16239, 16099..16239, 16137..16247, 16593..16760, 16598..16759, 16608..16775, 16609..16767, 16848..16895, 16848..16898, 16853..16897		

Seq. No.	26794	Seq. ID	OJ991215_02.0224.C18
Gene No.	55482	Strand	+
Start	1339	End	1533
Name	OJ991215_02.0224.C18.o1.gs	Method	GENSCAN
Start	1339	End	1533
GI	none	Score	.46
Exons	1339..1533		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55483	Strand	+
Start	1	End	3503
Name	OJ991215_02.0224.C19.o1.np	Method	AAT/NAP
Start	1	End	2830
GI	5670315	Score	1458
Exons	1..21, 655..1248, 1382..1632, 1720..1849, 2139..2197, 2650..2830		
GI Descrip.	(AF170909) SYNC1 protein [Arabidopsis thaliana]		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55483	Strand	+
Start	1	End	3503
Name	OJ991215_02.0224.C19.o1.gp	Method	AAT/GAP
Start	655	End	1143
GI	20754_1.R1084	Score	911
Exons	655..1143		
GI Descrip.	'5902407/gb|AAD55509.1|AC008148_19 6.0e-74 (AC008148) Similar to asparaginyl-tRNA synthetases [Arabidopsis thaliana]'		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55483	Strand	+
Start	1	End	3503
Name	OJ991215_02.0224.C19.o1.gs	Method	GENSCAN
Start	655	End	3503
GI	none	Score	.88
Exons	655..1248, 1382..1632, 1720..1849, 2139..2197, 2650..2771, 3268..3503		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55483	Strand	+
Start	1	End	3503
Name	OJ991215_02.0224.C19.o2.gp	Method	AAT/GAP
Start	1516	End	3072
GI	98611_1.R1084	Score	1361
Exons	1516..1631, 1718..1849, 2139..2197, 2650..3072		
GI Descrip.	'5670315/gb|AAD46681.1|AF170909_1 1.0e-65 (AF170909) SYNC1		

protein [Arabidopsis thaliana]'

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55484	Strand	+
Start	4952	End	5634
Name	OJ991215_02.0224.C19.o2.gs	Method	GENSCAN
Start	4952	End	5634
GI	none	Score	.66
Exons	4952..5009, 5402..5634		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55485	Strand	-
Start	1	End	7527
Name	OJ991215_02.0224.C19.o2.np	Method	AAT/NAP
Start	1	End	7527
GI	283894	Score	24
Exons	1..27, 5505..5705, 6145..6204, 7393..7527		
GI Descrip.	gene ld (limb deformity) protein - chicken		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55485	Strand	-
Start	1	End	7527
Name	OJ991215_02.0224.C19.o1.tc	Method	TBLASTX:Cress
Start	435	End	1110
GI	none	Score	76
Exons	435..542, 650..829, 654..830, 654..1040, 655..1041, 1035..1103, 1036..1110		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55485	Strand	-
Start	1	End	7527
Name	OJ991215_02.0224.C19.o2.tm	Method	TBLASTX:Maize
Start	633	End	966
GI	none	Score	325
Exons	633..959, 642..965, 655..966		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55485	Strand	-
Start	1	End	7527
Name	OJ991215_02.0224.C19.o1.ts	Method	TBLASTX:Soybean
Start	654	End	1579
GI	none	Score	801
Exons	654..899, 655..1248, 690..1250, 697..1254, 1106..1255, 1366..1554, 1374..1568, 1375..1467, 1376..1579, 1379..1567		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55485	Strand	-
Start	1	End	7527
Name	OJ991215_02.0224.C19.o1.tm	Method	TBLASTX:Maize
Start	967	End	3055
GI	none	Score	432
Exons	967..1248, 977..1249, 996..1250, 1379..1639, 1381..1638, 1717..1851, 1718..1852, 1718..1864, 2130..2198, 2136..2204, 2636..2836, 2647..2829, 2649..2843, 2948..3055		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55485	Strand	-

Start	1	End	7527
Name	OJ991215_02.0224.C19.o2.tc	Method	TBLASTX:Cress
Start	1113	End	2881
GI	none	Score	61
Exons	1113..1166, 1114..1245, 1116..1238, 1366..1638, 1382..1639, 1714..1851, 1715..1867, 2130..2231, 2632..2844, 2636..2881		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55485	Strand	-
Start	1	End	7527
Name	OJ991215_02.0224.C19.o1.tw	Method	TBLASTX:Wheat
Start	1571	End	2844
GI	none	Score	65
Exons	1571..1639, 1576..1635, 1747..1851, 1748..1852, 2133..2234, 2648..2836, 2686..2844		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55485	Strand	-
Start	1	End	7527
Name	OJ991215_02.0224.C19.o2.ts	Method	TBLASTX:Soybean
Start	1586	End	2833
GI	none	Score	84
Exons	1586..1639, 1594..1638, 1717..1851, 1718..1852, 2128..2196, 2130..2198, 2136..2195, 2636..2833, 2647..2829		

Seq. No.	26795	Seq. ID	OJ991215_02.0224.C19
Gene No.	55485	Strand	-
Start	1	End	7527
Name	OJ991215_02.0224.C19.o3.gs	Method	GENSCAN
Start	6516	End	6962
GI	none	Score	.96
Exons	6516..6962		

Seq. No.	26796	Seq. ID	OJ991215_02.0224.C20
Gene No.	55486	Strand	+
Start	359	End	3278
Name	OJ991215_02.0224.C20.o1.gs	Method	GENSCAN
Start	359	End	2900
GI	none	Score	.42
Exons	359..485, 1250..1307, 2042..2212, 2370..2392, 2784..2900		

Seq. No.	26796	Seq. ID	OJ991215_02.0224.C20
Gene No.	55486	Strand	+
Start	359	End	3278
Name	OJ991215_02.0224.C20.o1.np	Method	AAT/NAP
Start	2435	End	3278
GI	6069646	Score	389
Exons	2435..3278		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26796	Seq. ID	OJ991215_02.0224.C20
Gene No.	55486	Strand	+
Start	359	End	3278

Name	OJ991215_02.0224.C20.o1.tm	Method	TBLASTX:Maize
Start	2734	End	3186
GI	none	Score	36
Exons	2734..2766, 2796..2975, 2827..3039, 2836..2997, 3088..3186		

Seq. No.	26796	Seq. ID	OJ991215_02.0224.C20
Gene No.	55486	Strand	+
Start	359	End	3278
Name	OJ991215_02.0224.C20.o1.tw	Method	TBLASTX:Wheat
Start	2832	End	3000
GI	none	Score	194
Exons	2832..2966, 2833..3000		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55487	Strand	+
Start	1	End	2464
Name	OJ990605_41.0225.C1.o1.np	Method	AAT/NAP
Start	1	End	2014
GI	2499819	Score	900
Exons	1..191, 776..901, 989..1053, 1229..1385, 1469..1588, 1749..1837, 1933..2014		
GI Descrip.	ASPARTIC PROTEINASE ORYZASIN 1 PRECURSOR gi|2130068|pir||S66516 aspartic proteinase 1 precursor - rice gi|1030715|dbj|BAA06876.1| (D32165) aspartic protease [Oryza sativa] gi|1711289|dbj|BAA06875| (D32144) aspartic protease [Oryza sativa]		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55487	Strand	+
Start	1	End	2464
Name	OJ990605_41.0225.C1.o1.gp	Method	AAT/GAP
Start	788	End	2464
GI	209_1.R1084	Score	2027
Exons	788..901, 989..1053, 1229..1385, 1469..1588, 1749..1837, 1933..2464		
GI Descrip.	'2499819/sp|Q42456|APR1_ORYSA 0.0e+00 ASPARTIC PROTEINASE ORYZASIN 1 PRECURSOR >gi_2130068_pir__S66516 aspartic proteinase 1 precursor - rice >gi_1030715_dbj_BAA06876_ (D32165) aspartic protease [Oryza sativa] >gi_1711289_dbj_BAA06875_ (D32144) aspartic protease [Oryza sativa]'		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55487	Strand	+
Start	1	End	2464
Name	OJ990605_41.0225.C1.o1.gs	Method	GENSCAN
Start	788	End	2017
GI	none	Score	.93
Exons	788..901, 989..1053, 1229..1385, 1469..1588, 1749..1837, 1933..2017		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55488	Strand	+
Start	3538	End	6023
Name	OJ990605_41.0225.C1.o2.gs	Method	GENSCAN
Start	3538	End	6017
GI	none	Score	.94
Exons	3538..3882, 3972..4079, 4286..4450, 4571..5038, 5125..5238,		

5340..6017

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55488	Strand	+
Start	3538	End	6023
Name	OJ990605_41.0225.C1.o2.np	Method	AAT/NAP
Start	4100	End	6023
GI	5042446	Score	776
Exons	4100..4147, 4286..4440, 4573..4760, 4868..5038, 5125..5238, 5340..6023		
GI Descrip.	(AC007789) putative WRKY DNA binding protein [Oryza sativa]		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55489	Strand	+
Start	10122	End	12484
Name	OJ990605_41.0225.C1.o4.gs	Method	GENSCAN
Start	10122	End	12484
GI	none	Score	.86
Exons	10122..10595, 10957..11004, 11336..11382, 11636..11798, 11897..11958, 12122..12305, 12395..12484		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55489	Strand	+
Start	10122	End	12484
Name	OJ990605_41.0225.C1.o4.np	Method	AAT/NAP
Start	10122	End	12484
GI	4539291	Score	998
Exons	10122..10619, 11062..11244, 11336..11382, 11636..11798, 11897..11958, 12122..12305, 12395..12484		
GI Descrip.	(AL049480) putative protein [Arabidopsis thaliana]		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o1.tw	Method	TBLASTX:Wheat
Start	787	End	2029
GI	none	Score	174
Exons	787..900, 788..901, 977..1051, 986..1051, 987..1052, 988..1053, 988..1053, 1226..1381, 1227..1388, 1460..1588, 1466..1588, 1746..1838, 1747..1839, 1748..1837, 1931..2029, 1934..2017		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o4.tc	Method	TBLASTX:Cress
Start	790	End	2020
GI	none	Score	137
Exons	790..900, 791..901, 977..1051, 988..1053, 1227..1388, 1295..1381, 1466..1588, 1468..1587, 1472..1588, 1733..1837, 1746..1838, 1746..1838, 1933..2019, 1934..2020		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o3.ts	Method	TBLASTX:Soybean
Start	791	End	2020
GI	none	Score	135

Exons	791..901, 793..900, 977..1051, 979..1053, 988..1050, 1232..1381, 1233..1388, 1236..1391, 1460..1588, 1468..1587, 1746..1838, 1748..1837, 1933..2004, 1934..2020		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o3.tm	Method	TBLASTX:Maize
Start	817	End	2189
GI	none	Score	97
Exons	817..894, 826..900, 827..901, 977..1051, 986..1051, 988..1053, 1226..1276, 1227..1277, 1238..1387, 1245..1388, 1275..1391, 1460..1588, 1468..1584, 1488..1607, 1742..1837, 1744..1839, 1746..1838, 1747..1839, 1931..2026, 1934..2017, 2094..2123, 2101..2121, 2109..2189, 2111..2185		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o1.ts	Method	TBLASTX:Soybean
Start	4283	End	5579
GI	none	Score	119
Exons	4283..4417, 4283..4411, 4931..5041, 4978..5037, 5124..5240, 5125..5241, 5336..5494, 5337..5402, 5511..5579		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o2.tc	Method	TBLASTX:Cress
Start	4978	End	5518
GI	none	Score	84
Exons	4978..5037, 4985..5041, 5124..5240, 5125..5241, 5336..5518, 5337..5402		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o5.tm	Method	TBLASTX:Maize
Start	5080	End	5413
GI	none	Score	174
Exons	5080..5268, 5127..5276, 5354..5413, 5355..5402		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o2.tw	Method	TBLASTX:Wheat
Start	5124	End	5413
GI	none	Score	227
Exons	5124..5240, 5125..5241, 5125..5241, 5328..5402, 5336..5413, 5337..5402		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o4.ts	Method	TBLASTX:Soybean
Start	7311	End	8640
GI	none	Score	81

Exons	7311..7409, 7506..7592, 7510..7590, 7797..7919, 7993..8103, 7998..8105, 8000..8104, 8001..8114, 8353..8490, 8354..8488, 8538..8639, 8569..8640		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o2.tm	Method	TBLASTX:Maize
Start	7315	End	9406
GI	none	Score	81
Exons	7315..7401, 7320..7409, 7329..7409, 7504..7590, 7506..7592, 7782..7919, 7798..7932, 7799..7930, 7969..8103, 8000..8104, 8016..8102, 8360..8488, 8360..8488, 8361..8489, 8362..8490, 8362..8490, 8538..8687, 8541..8690, 8576..8710, 8576..8689, 8777..8923, 8780..8923, 9005..9166, 9009..9170, 9016..9168, 9020..9172, 9305..9406, 9311..9406		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o3.gs	Method	GENSCAN
Start	7320	End	9688
GI	none	Score	.96
Exons	7320..7406, 7509..7589, 7815..7916, 8003..8101, 8362..8487, 8574..8687, 8780..8920, 9019..9164, 9313..9688		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o3.tc	Method	TBLASTX:Cress
Start	7320	End	8640
GI	none	Score	77
Exons	7320..7409, 7504..7590, 7506..7592, 7797..7919, 7991..8104, 7991..8104, 7998..8105, 8347..8469, 8353..8475, 8354..8476, 8360..8476, 8577..8639, 8578..8640		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o3.np	Method	AAT/NAP
Start	7329	End	9189
GI	1168646	Score	320
Exons	7329..7406, 7509..7589, 7815..7916, 8003..8101, 8362..8487, 8574..8687, 8780..8920, 9019..9189		
GI Descrip.	GTP-BINDING PROTEIN ERA HOMOLOG (BEX PROTEIN) gi|606745 (U18532) Bex [Bacillus subtilis] gi|1303826|dbj|BAA12482| (D84432) YqfH [Bacillus subtilis] gi|2634961|emb|CAB14458| (Z99116) GTP-binding protein [Bacillus subtilis] gi|2634975|emb|CAB14471| (Z99117) GTP-binding protein [Bacillus subtilis]		
Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o5.tc	Method	TBLASTX:Cress
Start	8870	End	9430
GI	none	Score	60
Exons	8870..8923, 8871..8921, 9003..9110, 9016..9138, 9016..9168,		

9023..9172, 9311..9430

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o6.ts	Method	TBLASTX:Soybean
Start	9016	End	9409
GI	none	Score	96
Exons	9016..9144, 9016..9168, 9035..9181, 9311..9409		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55490	Strand	-
Start	7320	End	9755
Name	OJ990605_41.0225.C1.o2.gp	Method	AAT/GAP
Start	9508	End	9755
GI	699776	Score	425
Exons	9508..9755		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55491	Strand	
Start	10121	End	11232
Name	OJ990605_41.0225.C1.o1.tc	Method	TBLASTX:Cress
Start	10121	End	10478
GI	none	Score	415
Exons	10121..10477, 10122..10478		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55491	Strand	
Start	10121	End	11232
Name	OJ990605_41.0225.C1.o2.ts	Method	TBLASTX:Soybean
Start	10121	End	10370
GI	none	Score	315
Exons	10121..10369, 10122..10370		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55491	Strand	
Start	10121	End	11232
Name	OJ990605_41.0225.C1.o1.tm	Method	TBLASTX:Maize
Start	10121	End	11232
GI	none	Score	777
Exons	10121..10597, 10122..10598, 10948..11007, 10954..11004, 10955..11011, 11062..11229, 11064..11231, 11065..11232		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55491	Strand	
Start	10121	End	11232
Name	OJ990605_41.0225.C1.o5.ts	Method	TBLASTX:Soybean
Start	10404	End	11099
GI	none	Score	233
Exons	10404..10598, 10427..10579, 10957..11007, 10957..11004, 11070..11099		

Seq. No.	26797	Seq. ID	OJ990605_41.0225.C1
Gene No.	55492	Strand	
Start	11669	End	12258
Name	OJ990605_41.0225.C1.o4.tm	Method	TBLASTX:Maize
Start	11669	End	12258

GI	none	Score	194
Exons	11669..11776, 11670..11813, 11670..11807, 11896..11961, 11897..11959, 12117..12239, 12150..12257, 12178..12258, 12207..12257		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55493	Strand	+
Start	90	End	1160
Name	OJ990605_41.0225.C2.o1.np	Method	AAT/NAP
Start	90	End	1133
GI	6728966	Score	566
Exons	90..689, 1023..1133		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55493	Strand	+
Start	90	End	1160
Name	OJ990605_41.0225.C2.o1.gs	Method	GENSCAN
Start	258	End	1160
GI	none	Score	.95
Exons	258..689, 1023..1160		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55494	Strand	+
Start	1666	End	7143
Name	OJ990605_41.0225.C2.o2.gs	Method	GENSCAN
Start	1666	End	6614
GI	none	Score	.92
Exons	1666..1783, 2396..2475, 2567..2653, 3251..3368, 3662..3726, 4022..4159, 4299..4345, 4435..4504, 4804..4866, 5260..5487, 5729..5814, 5900..5948, 6061..6141, 6239..6332, 6493..6614		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55494	Strand	+
Start	1666	End	7143
Name	OJ990605_41.0225.C2.o2.np	Method	AAT/NAP
Start	1666	End	7143
GI	4926827	Score	1451
Exons	1666..1783, 2396..2475, 2567..2653, 3097..3147, 3251..3371, 3440..3574, 3662..3726, 3834..3915, 4022..4072, 4160..4222, 4299..4345, 4435..4582, 4791..4866, 4964..5053, 5140..5178, 5260..5487, 5729..5814, 5900..5948, 6061..6141, 6239..6332, 6493..6573, 7046..7143		
GI Descrip.	(AC004135) T17H7.12 [Arabidopsis thaliana]		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742
Name	OJ990605_41.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	246	End	1083
GI	none	Score	564
Exons	246..647, 248..691, 248..382, 474..692, 539..718, 1008..1082, 1012..1080, 1015..1083		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742

Name	OJ990605_41.0225.C2.o1.ts	Method	TBLASTX:Soybean
Start	246	End	700
GI	none	Score	55
Exons	246..293, 248..298, 284..382, 294..635, 356..691, 466..690, 474..692, 539..700		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742
Name	OJ990605_41.0225.C2.o4.tm	Method	TBLASTX:Maize
Start	1659	End	2665
GI	none	Score	191
Exons	1659..1799, 1660..1800, 2394..2441, 2395..2478, 2396..2476, 2462..2482, 2537..2665, 2546..2644, 2566..2649		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742
Name	OJ990605_41.0225.C2.o3.ts	Method	TBLASTX:Soybean
Start	1662	End	3355
GI	none	Score	189
Exons	1662..1799, 1663..1791, 2394..2441, 2395..2478, 2566..2646, 2567..2650, 3094..3150, 3099..3149, 3248..3355, 3248..3355		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742
Name	OJ990605_41.0225.C2.o2.tc	Method	TBLASTX:Cress
Start	1665	End	3373
GI	none	Score	183
Exons	1665..1781, 1666..1800, 2394..2477, 2394..2441, 2395..2478, 2395..2478, 2537..2650, 2555..2626, 2566..2661, 2566..2646, 3094..3150, 3099..3149, 3239..3373, 3248..3373		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742
Name	OJ990605_41.0225.C2.o3.tm	Method	TBLASTX:Maize
Start	3093	End	3911
GI	none	Score	76
Exons	3093..3149, 3094..3150, 3248..3373, 3248..3373, 3249..3383, 3516..3575, 3517..3576, 3654..3734, 3680..3733, 3834..3863, 3861..3911		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742
Name	OJ990605_41.0225.C2.o2.tm	Method	TBLASTX:Maize
Start	4058	End	6334
GI	none	Score	37
Exons	4058..4075, 4160..4222, 4278..4343, 4803..4865, 4804..4866, 4949..5047, 4960..5052, 5143..5166, 5250..5486, 5251..5487, 5254..5487, 5622..5651, 5746..5817, 5747..5815, 5900..5950, 5901..5951, 6060..6128, 6238..6333, 6239..6334		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+

Start	7998	End	9742
Name	OJ990605_41.0225.C2.o2.ts	Method	TBLASTX:Soybean
Start	4822	End	5797
GI	none	Score	60
Exons	4822..4866, 4824..4865, 4949..5047, 4960..5055, 5143..5166, 5254..5484, 5257..5487, 5259..5486, 5622..5651, 5747..5797		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742
Name	OJ990605_41.0225.C2.o1.tc	Method	TBLASTX:Cress
Start	5251	End	5442
GI	none	Score	250
Exons	5251..5436, 5257..5442, 5259..5441		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742
Name	OJ990605_41.0225.C2.o3.tc	Method	TBLASTX:Cress
Start	5901	End	6334
GI	none	Score	61
Exons	5901..5951, 6058..6144, 6238..6333, 6239..6334		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742
Name	OJ990605_41.0225.C2.o3.np	Method	AAT/NAP
Start	7759	End	9742
GI	6634727	Score	58
Exons	7759..7799, 7991..8223, 9714..9742		
GI Descrip.	(AC012463) T2E6.12 [Arabidopsis thaliana]		

Seq. No.	26798	Seq. ID	OJ990605_41.0225.C2
Gene No.	55495	Strand	+
Start	7998	End	9742
Name	OJ990605_41.0225.C2.o3.gs	Method	GENSCAN
Start	7998	End	9308
GI	none	Score	.74
Exons	7998..9308		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55496	Strand	+
Start	3685	End	4083
Name	OJ990605_41.0225.C3.o2.gp	Method	AAT/GAP
Start	3685	End	4083
GI	uC-osflM202064d03a1	Score	759
Exons	3685..4083		
GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 6.0e-24 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]'		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55497	Strand	+
Start	16053	End	17905
Name	OJ990605_41.0225.C3.o4.gs	Method	GENSCAN
Start	16053	End	17905
GI	none	Score	.56

Exons	16053..16172, 17267..17363, 17826..17905		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55498	Strand	+
Start	22849	End	33654
Name	OJ990605_41.0225.C3.o7.gs	Method	GENSCAN
Start	22849	End	28272
GI	none	Score	.59
Exons	22849..22909, 23400..23508, 23610..23769, 24459..24656, 25002..25050, 25372..25463, 27035..27128, 27215..27319, 27405..27577, 27650..27791, 27963..28058, 28211..28272		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55498	Strand	+
Start	22849	End	33654
Name	OJ990605_41.0225.C3.o5.np	Method	AAT/NAP
Start	24800	End	33326
GI	2565436	Score	1371
Exons	24800..24964, 25005..25129, 30429..30550, 30631..30753, 31399..31570, 32070..32107, 32211..32409, 32496..32648, 33037..33171, 33252..33326		
GI Descrip.	(AF028842) DegP protease precursor [Arabidopsis thaliana]		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55498	Strand	+
Start	22849	End	33654
Name	OJ990605_41.0225.C3.o8.gs	Method	GENSCAN
Start	29892	End	33329
GI	none	Score	.82
Exons	29892..30046, 30239..30550, 30631..30753, 31399..31570, 32070..32107, 32211..32409, 32496..32648, 33037..33171, 33252..33329		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55498	Strand	+
Start	22849	End	33654
Name	OJ990605_41.0225.C3.o7.gp	Method	AAT/GAP
Start	30134	End	31426
GI	20720_1.R1084	Score	1072
Exons	30134..30550, 30631..30753, 31399..31426		
GI Descrip.	'2565436 8.0e-42 (AF028842) DegP protease precursor [Arabidopsis thaliana]'		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55498	Strand	+
Start	22849	End	33654
Name	OJ990605_41.0225.C3.o8.gp	Method	AAT/GAP
Start	32368	End	33654
GI	jC-osleLIB3474037c01a1	Score	1355
Exons	32368..32409, 32496..32648, 33037..33171, 33252..33654		
GI Descrip.	'2565436 2.0e-60 (AF028842) DegP protease precursor [Arabidopsis thaliana]'		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55499	Strand	-
Start	316	End	1979
Name	OJ990605_41.0225.C3.o1.gs	Method	GENSCAN

Start	316	End	1953
GI	none	Score	.59
Exons	316..435, 563..703, 1185..1315, 1419..1953		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55499	Strand	-
Start	316	End	1979
Name	OJ990605_41.0225.C3.o1.gp	Method	AAT/GAP
Start	854	End	1979
GI	844_1.R1084	Score	1978
Exons	854..1315, 1419..1979		
GI Descrip.	'4105683 1.0e-131 (AF049892) unknown [Oryza sativa] >gi_4105692 (AF050155) embryo-specific protein [Oryza sativa subsp. indica]'		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55499	Strand	-
Start	316	End	1979
Name	OJ990605_41.0225.C3.o1.np	Method	AAT/NAP
Start	1137	End	1953
GI	4105683	Score	1249
Exons	1137..1315, 1419..1953		
GI Descrip.	(AF049892) unknown [Oryza sativa] gi|4105692 (AF050155) embryo-specific protein [Oryza sativa subsp. indica]		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55500	Strand	-
Start	3025	End	5991
Name	OJ990605_41.0225.C3.o2.gs	Method	GENSCAN
Start	3025	End	5991
GI	none	Score	.5
Exons	3025..3257, 3878..4072, 4156..4255, 5695..5769, 5785..5991		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55500	Strand	-
Start	3025	End	5991
Name	OJ990605_41.0225.C3.o2.np	Method	AAT/NAP
Start	3867	End	5991
GI	6850852	Score	1034
Exons	3867..4072, 4156..4255, 4410..4512, 4614..4748, 5009..5172, 5298..5354, 5695..5769, 5881..5991		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55501	Strand	-
Start	9595	End	13161
Name	OJ990605_41.0225.C3.o3.gs	Method	GENSCAN
Start	9595	End	13130
GI	none	Score	.81
Exons	9595..9804, 9891..10016, 10283..10360, 11289..11471, 12241..12333, 13071..13130		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55501	Strand	-
Start	9595	End	13161
Name	OJ990605_41.0225.C3.o3.np	Method	AAT/NAP
Start	9598	End	13130
GI	498643	Score	1077

Exons	9598..9804, 9891..10016, 10283..10360, 10529..10749, 11144..11186, 11289..11471, 12078..12161, 12241..12333, 12424..12468, 13071..13130		
GI Descrip.	(U10270) G-box binding factor 1 [Zea mays]		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55501	Strand	-
Start	9595	End	13161
Name	OJ990605_41.0225.C3.o4.gp	Method	AAT/GAP
Start	11361	End	13161
GI	428299	Score	735
Exons	11361..11471, 12078..12161, 12241..12333, 12424..12468, 13071..13161		
GI Descrip.	498643 5.0e-37 (U10270) G-box binding factor 1 [Zea mays]		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55502	Strand	-
Start	18364	End	19357
Name	OJ990605_41.0225.C3.o5.gp	Method	AAT/GAP
Start	18248	End	19357
GI	30966_1.R1084	Score	1220
Exons	18248..18469, 18936..19357		
GI Descrip.	'498643 5.0e-37 (U10270) G-box binding factor 1 [Zea mays]'		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55502	Strand	-
Start	18364	End	19357
Name	OJ990605_41.0225.C3.o5.gs	Method	GENSCAN
Start	18364	End	19300
GI	none	Score	.98
Exons	18364..18469, 18936..19300		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55502	Strand	-
Start	18364	End	19357
Name	OJ990605_41.0225.C3.o4.np	Method	AAT/NAP
Start	18367	End	19108
GI	1652779	Score	162
Exons	18367..18457, 18933..19108		
GI Descrip.	(D90908) hypothetical protein [Synechocystis sp.]		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55503	Strand	-
Start	19963	End	21327
Name	OJ990605_41.0225.C3.o6.gs	Method	GENSCAN
Start	19963	End	21327
GI	none	Score	.84
Exons	19963..21327		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55504	Strand	-
Start	25246	End	25310
Name	OJ990605_41.0225.C3.o6.gp	Method	AAT/GAP
Start	25246	End	25310
GI	2311279	Score	69
Exons	25246..25310		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o2.tm	Method	TBLASTX:Maize
Start	1134	End	1579
GI	none	Score	219
Exons	1134..1313, 1135..1314, 1178..1321, 1408..1491, 1424..1492, 1495..1578, 1496..1579		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o1.ts	Method	TBLASTX:Soybean
Start	1408	End	1872
GI	none	Score	92
Exons	1408..1872, 1414..1536, 1442..1636, 1630..1869, 1685..1870		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o2.tc	Method	TBLASTX:Cress
Start	1537	End	1929
GI	none	Score	324
Exons	1537..1929, 1538..1855, 1630..1866		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	1585	End	1960
GI	none	Score	74
Exons	1585..1656, 1586..1636, 1636..1869, 1636..1941, 1682..1960		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o3.tm	Method	TBLASTX:Maize
Start	3874	End	4510
GI	none	Score	223
Exons	3874..4125, 3876..4073, 4157..4258, 4157..4258, 4398..4502, 4407..4505, 4409..4510		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o3.ts	Method	TBLASTX:Soybean
Start	3884	End	4258
GI	none	Score	115
Exons	3884..4072, 3888..4070, 3889..4098, 3926..4072, 4157..4258, 4158..4256		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o3.tc	Method	TBLASTX:Cress
Start	3885	End	4258
GI	none	Score	103

Exons	3885..4070, 3895..4071, 4160..4258		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o4.tc	Method	TBLASTX:Cress
Start	4387	End	4771
GI	none	Score	94
Exons	4387..4458, 4398..4514, 4616..4756, 4643..4771		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o4.ts	Method	TBLASTX:Soybean
Start	4413	End	4753
GI	none	Score	118
Exons	4413..4514, 4413..4514, 4614..4751, 4614..4748, 4616..4753		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o7.tm	Method	TBLASTX:Maize
Start	4605	End	5334
GI	none	Score	177
Exons	4605..4748, 4615..4749, 4616..4747, 4994..5173, 4999..5175, 5011..5178, 5275..5334, 5298..5333		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o8.ts	Method	TBLASTX:Soybean
Start	4994	End	5925
GI	none	Score	158
Exons	4994..5203, 4999..5175, 5117..5191, 5275..5355, 5298..5357, 5298..5369, 5695..5772, 5878..5925		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o8.tm	Method	TBLASTX:Maize
Start	9554	End	13131
GI	none	Score	101
Exons	9554..9676, 9595..9675, 9674..9721, 9676..9720, 9730..9801, 9888..10019, 9888..10016, 9890..10018, 10283..10372, 10284..10361, 10527..10754, 10529..10753, 11143..11178, 11272..11370, 11286..11375, 13071..13130, 13078..13131		
Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o5.tm	Method	TBLASTX:Maize
Start	11376	End	12502
GI	none	Score	120
Exons	11376..11477, 11376..11480, 11378..11479, 12057..12164, 12070..12162, 12074..12169, 12076..12168, 12235..12267, 12236..12268, 12261..12335, 12265..12348, 12266..12334, 12424..12471, 12434..12502		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o9.ts	Method	TBLASTX:Soybean
Start	12078	End	12447
GI	none	Score	56
Exons	12078..12155, 12079..12150, 12148..12165, 12244..12336, 12245..12334, 12424..12447		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o5.tc	Method	TBLASTX:Cress
Start	18364	End	19105
GI	none	Score	74
Exons	18364..18480, 18364..18474, 18365..18493, 18929..19057, 18930..19079, 18935..19081, 19073..19105		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o6.ts	Method	TBLASTX:Soybean
Start	18364	End	19129
GI	none	Score	103
Exons	18364..18474, 18364..18474, 18933..18962, 18935..18967, 18959..19129, 18972..19070		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o6.tm	Method	TBLASTX:Maize
Start	18385	End	19132
GI	none	Score	54
Exons	18385..18426, 18421..18462, 18933..18962, 18935..18961, 18963..19079, 18965..19132		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o1.tc	Method	TBLASTX:Cress
Start	30401	End	33329
GI	none	Score	183
Exons	30401..30586, 30432..30587, 30628..30753, 30629..30754, 30629..30754, 31396..31587, 31397..31588, 32070..32105, 32072..32107, 32208..32411, 32208..32411, 32209..32412, 32495..32647, 32496..32654, 32575..32661, 33036..33176, 33037..33177, 33251..33325, 33252..33329		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o7.ts	Method	TBLASTX:Soybean
Start	30416	End	30754
GI	none	Score	179
Exons	30416..30586, 30426..30587, 30628..30753, 30629..30754		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o2.ts	Method	TBLASTX:Soybean
Start	31438	End	32621
GI	none	Score	210
Exons	31438..31569, 31439..31588, 32069..32107, 32070..32105, 32208..32402, 32208..32411, 32209..32412, 32495..32620, 32496..32621, 32502..32621		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o4.tm	Method	TBLASTX:Maize
Start	32334	End	33330
GI	none	Score	95
Exons	32334..32411, 32334..32411, 32335..32412, 32495..32647, 32496..32654, 32505..32654, 32596..32655, 33026..33175, 33036..33176, 33037..33177, 33251..33328, 33252..33329, 33259..33330		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o5.ts	Method	TBLASTX:Soybean
Start	33036	End	33375
GI	none	Score	206
Exons	33036..33188, 33037..33174, 33249..33323, 33254..33340, 33258..33332, 33355..33375		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o9.gs	Method	GENSCAN
Start	37076	End	37840
GI	none	Score	.88
Exons	37076..37840		

Seq. No.	26799	Seq. ID	OJ990605_41.0225.C3
Gene No.	55505	Strand	-
Start	37076	End	38846
Name	OJ990605_41.0225.C3.o6.np	Method	AAT/NAP
Start	37079	End	38846
GI	3176675	Score	76
Exons	37079..37406, 38813..38846		
GI Descrip.	(AC003671) F17O7.4 [Arabidopsis thaliana]		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55506	Strand	+
Start	1	End	416
Name	OJ990605_41.0225.C5.o1.np	Method	AAT/NAP
Start	1	End	416
GI	4176422	Score	636
Exons	1..416		
GI Descrip.	(AB022673) ribosomal protein L12 [Oryza sativa]		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5

Gene No.	55506	Strand	+
Start	1	End	416
Name	OJ990605_41.0225.C5.o1.gs	Method	GENSCAN
Start	6	End	389
GI	none	Score	1
Exons	6..389		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55507	Strand	+
Start	18959	End	20503
Name	OJ990605_41.0225.C5.o3.np	Method	AAT/NAP
Start	18939	End	20470
GI	4544399	Score	2059
Exons	18939..20470		
GI Descrip.	(AC007047) putative beta-ketoacyl-CoA synthase [Arabidopsis thaliana]		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55507	Strand	+
Start	18959	End	20503
Name	OJ990605_41.0225.C5.o5.gs	Method	GENSCAN
Start	18959	End	20503
GI	none	Score	.97
Exons	18959..20503		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55508	Strand	+
Start	20639	End	22399
Name	OJ990605_41.0225.C5.o6.gs	Method	GENSCAN
Start	20639	End	22399
GI	none	Score	.83
Exons	20639..20730, 22324..22399		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55509	Strand	+
Start	24963	End	28104
Name	OJ990605_41.0225.C5.o7.gs	Method	GENSCAN
Start	24963	End	28104
GI	none	Score	.46
Exons	24963..25060, 26828..27014, 27212..27667, 27799..28104		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55509	Strand	+
Start	24963	End	28104
Name	OJ990605_41.0225.C5.o4.np	Method	AAT/NAP
Start	26247	End	28035
GI	4309729	Score	171
Exons	26247..26284, 27382..27667, 27799..28035		
GI Descrip.	(AC006439) putative GATA-type zinc finger transcription factor [Arabidopsis thaliana]		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55510	Strand	+
Start	43209	End	44081
Name	OJ990605_41.0225.C5.o6.np	Method	AAT/NAP
Start	43182	End	44030
GI	4835239	Score	573

Exons	43182..44030		
GI Descrip.	(AL049862) putative DNA-3-methyladenine glycosidase [Arabidopsis thaliana]		
Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55510	Strand	+
Start	43209	End	44081
Name	OJ990605_41.0225.C5.o10.gs	Method	GENSCAN
Start	43209	End	44081
GI	none	Score	1
Exons	43209..44081		
Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55511	Strand	-
Start	1598	End	10008
Name	OJ990605_41.0225.C5.o2.gs	Method	GENSCAN
Start	1598	End	10008
GI	none	Score	.64
Exons	1598..2060, 2731..2866, 3095..3333, 3659..3763, 6240..6403, 6769..6901, 8474..8540, 9675..10008		
Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55511	Strand	-
Start	1598	End	10008
Name	OJ990605_41.0225.C5.o2.np	Method	AAT/NAP
Start	1604	End	3242
GI	5823307	Score	447
Exons	1604..1758, 1846..2060, 2731..2860, 3095..3242		
GI Descrip.	(AF175987) putative transcription factor [Arabidopsis thaliana]		
Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55512	Strand	-
Start	11784	End	12638
Name	OJ990605_41.0225.C5.o3.gs	Method	GENSCAN
Start	11784	End	12638
GI	none	Score	.89
Exons	11784..11857, 12563..12638		
Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55513	Strand	-
Start	20030	End	21067
Name	OJ990605_41.0225.C5.o2.gp	Method	AAT/GAP
Start	20030	End	21067
GI	3869_3.R1084	Score	1733
Exons	20030..20052, 20135..21067		
GI Descrip.	'4115364 2.0e-47 (AC005957) putative fatty acid elongase [Arabidopsis thaliana]'		
Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55514	Strand	-
Start	30750	End	42953
Name	OJ990605_41.0225.C5.o5.np	Method	AAT/NAP
Start	30750	End	41382
GI	1209756	Score	1382
Exons	30750..30862, 30988..31102, 31227..31286, 31378..31443, 31602..31661, 31744..31806, 31908..31954, 32278..32362, 32461..32541, 32629..32721, 32815..32879, 33195..33270,		

33374..33439, 33623..33688, 33771..33830, 40932..41021, 41119..41382

GI Descrip. (U43629) integral membrane protein [Beta vulgaris]

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55514	Strand	-
Start	30750	End	42953
Name	OJ990605_41.0225.C5.o8.gs	Method	GENSCAN
Start	30750	End	34867
GI	none	Score	.87
Exons	30750..30862, 30988..31102, 31378..31443, 31602..31661, 31908..32000, 32278..32298, 32629..32721, 33374..33439, 33623..33688, 34380..34469, 34568..34867		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55514	Strand	-
Start	30750	End	42953
Name	OJ990605_41.0225.C5.o3.gp	Method	AAT/GAP
Start	33149	End	35028
GI	19673_1.R1084	Score	1447
Exons	33149..33270, 33374..33439, 33623..33688, 33771..33830, 34380..34469, 34568..35028		

GI Descrip. '5091611/gb|AAD39600.1|AC007858_14 3.0e-48 (AC007858) Similar to gb_U43629 integral membrane protein from Beta vulgaris and is a member of the sugar transporter family PF_00083. ES [Oryza sativa]'

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55514	Strand	-
Start	30750	End	42953
Name	OJ990605_41.0225.C5.o9.gs	Method	GENSCAN
Start	37017	End	42953
GI	none	Score	.53
Exons	37017..37160, 38214..38273, 38356..38465, 38990..39074, 39972..40037, 40260..40325, 40410..40469, 40932..41021, 41119..41463, 41545..41704, 42008..42141, 42222..42380, 42825..42953		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55515	Strand	-
Start	46042	End	46340
Name	OJ990605_41.0225.C5.o7.np	Method	AAT/NAP
Start	45941	End	46340
GI	5091605	Score	182
Exons	45941..46340		

GI Descrip. (AC007858) 10A19I.9 [Oryza sativa]

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55515	Strand	-
Start	46042	End	46340
Name	OJ990605_41.0225.C5.o11.gs	Method	GENSCAN
Start	46042	End	46299
GI	none	Score	.96
Exons	46042..46299		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-

Start	49909	End	51496
Name	OJ990605_41.0225.C5.o6.tm	Method	TBLASTX:Maize
Start	1	End	419
GI	none	Score	88
Exons	1..75, 3..71, 75..116, 89..112, 183..419, 203..415		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o5.tc	Method	TBLASTX:Cress
Start	75	End	419
GI	none	Score	44
Exons	75..113, 201..419, 206..415		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o9.ts	Method	TBLASTX:Soybean
Start	201	End	419
GI	none	Score	212
Exons	201..419, 203..415		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o4.tc	Method	TBLASTX:Cress
Start	1967	End	3246
GI	none	Score	79
Exons	1967..2062, 2001..2063, 2697..2870, 2728..2880, 3093..3233, 3115..3246		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o8.ts	Method	TBLASTX:Soybean
Start	1982	End	3204
GI	none	Score	74
Exons	1982..2062, 2001..2063, 2697..2870, 2728..2868, 3093..3194, 3115..3204		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o8.tm	Method	TBLASTX:Maize
Start	2730	End	3237
GI	none	Score	149
Exons	2730..2870, 2734..2865, 3096..3194, 3115..3237		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o3.ts	Method	TBLASTX:Soybean
Start	7017	End	9888
GI	none	Score	41
Exons	7017..7154, 7059..7115, 7102..7155, 8468..8530, 8476..8529, 9676..9888, 9677..9886		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o4.tm	Method	TBLASTX:Maize
Start	7026	End	10014
GI	none	Score	71
Exons	7026..7154, 7040..7150, 7102..7155, 9676..9888, 9677..9895, 9845..9895, 9979..10014		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o5.tw	Method	TBLASTX:Wheat
Start	7039	End	9711
GI	none	Score	79
Exons	7039..7152, 7040..7141, 7041..7154, 7102..7155, 8468..8530, 8476..8529, 9676..9711		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o2.tc	Method	TBLASTX:Cress
Start	7095	End	9888
GI	none	Score	70
Exons	7095..7154, 7102..7155, 8476..8529, 9676..9888, 9677..9886		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o1.tw	Method	TBLASTX:Wheat
Start	9713	End	9895
GI	none	Score	244
Exons	9713..9895, 9715..9888, 9845..9895		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o1.tm	Method	TBLASTX:Maize
Start	19003	End	20501
GI	none	Score	78
Exons	19003..19113, 19004..19051, 19154..19360, 19454..20131, 19454..19837, 19570..20079, 20116..20163, 20119..20208, 20120..20464, 20230..20445, 20424..20501		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o1.tc	Method	TBLASTX:Cress
Start	19004	End	20464
GI	none	Score	81
Exons	19004..19051, 19006..19077, 19226..19360, 19270..19368, 19348..20088, 19349..20095, 20092..20160, 20116..20394, 20117..20407, 20411..20464, 20422..20457		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496

Name	OJ990605_41.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	19004	End	20473
GI	none	Score	81
Exons	19004..19051, 19006..19113, 19154..19360, 19270..19359, 19348..19428, 19349..19432, 19423..20094, 19454..20140, 20110..20442, 20117..20464, 20174..20473		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o3.tw	Method	TBLASTX:Wheat
Start	19337	End	19540
GI	none	Score	240
Exons	19337..19540, 19354..19515, 19415..19540		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o2.tw	Method	TBLASTX:Wheat
Start	20249	End	20464
GI	none	Score	259
Exons	20249..20416, 20254..20412, 20279..20413, 20423..20464		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o3.tm	Method	TBLASTX:Maize
Start	30712	End	41313
GI	none	Score	161
Exons	30712..30864, 30747..30941, 30750..30866, 30972..31103, 30980..31117, 30983..31114, 31224..31286, 31228..31281, 31232..31291, 31377..31445, 31378..31476, 31378..31470, 31597..31662, 31600..31656, 31744..31806, 31756..31806, 31919..31960, 32276..32323, 32277..32381, 32277..32363, 32462..32548, 32463..32534, 32467..32538, 32623..32745, 32623..32721, 32625..32744, 32807..32881, 32813..32881, 32815..32895, 32815..32883, 33187..33279, 33191..33280, 33368..33439, 33378..33440, 33378..33452, 33620..33688, 33621..33710, 33622..33711, 33769..33831, 33771..33830, 34379..34438, 34380..34478, 34381..34470, 34568..34759, 34569..34760, 34754..34801, 34755..34796, 37734..37874, 37761..37871, 37765..37887, 37949..38077, 37950..38081, 37954..38088, 37960..38082, 38211..38273, 38214..38273, 38215..38274, 38314..38433, 38355..38423, 38356..38424, 38570..38626, 38582..38632, 38676..38786, 38677..38796, 38699..38797, 38700..38810, 38851..38907, 38988..39074, 38989..39072, 39155..39199, 39162..39200, 39205..39243, 39212..39244, 39388..39489, 39392..39484, 39393..39488, 39561..39629, 39563..39634, 39564..39629, 39800..39880, 39801..39881, 39962..40060, 39968..40033, 39975..40181, 39975..40052, 40248..40328, 40258..40326, 40408..40470, 40410..40469, 40914..41024, 40918..41022, 41119..41313, 41120..41272		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496

Name	OJ990605_41.0225.C5.o3.tc	Method	TBLASTX:Cress
Start	30750	End	40334
GI	none	Score	87
Exons	30750..30863, 30772..30864, 30980..31117, 30984..31103, 30986..31108, 31224..31286, 31228..31287, 31600..31659, 31756..31809, 32304..32363, 32623..32721, 32633..32722, 32807..32881, 32815..32883, 33191..33280, 33193..33279, 33365..33439, 33381..33449, 33614..33688, 33621..33701, 37761..37874, 37762..37845, 37954..38088, 37961..38077, 38211..38273, 38702..38788, 38988..39074, 39386..39484, 39396..39485, 39397..39489, 39563..39643, 39564..39629, 39689..39712, 39803..39880, 39960..40037, 39970..40038, 40251..40334		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o6.ts	Method	TBLASTX:Soybean
Start	31055	End	40064
GI	none	Score	79
Exons	31055..31117, 31224..31286, 31228..31287, 31378..31470, 31756..31809, 32274..32360, 32289..32381, 32467..32547, 32629..32721, 32633..32722, 32807..32881, 32813..32881, 32815..32883, 33191..33280, 33193..33279, 33365..33439, 33381..33455, 38211..38273, 38356..38433, 38708..38788, 38709..38801, 38988..39092, 39155..39205, 39392..39484, 39396..39485, 39563..39643, 39564..39629, 39801..39887, 39803..39889, 39803..39880, 39960..40052, 39970..40059, 40014..40064		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o5.ts	Method	TBLASTX:Soybean
Start	33620	End	41337
GI	none	Score	74
Exons	33620..33688, 33621..33710, 33769..33831, 33771..33830, 33772..33831, 34380..34472, 34381..34470, 34568..34720, 34569..34703, 34721..34783, 34722..34778, 40248..40328, 40258..40326, 40408..40470, 40410..40469, 40914..41024, 40918..41022, 41119..41256, 41120..41287, 41291..41332, 41293..41337		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o4.tw	Method	TBLASTX:Wheat
Start	34446	End	41272
GI	none	Score	229
Exons	34446..34472, 34568..34729, 34569..34730, 41119..41256, 41120..41272		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o2.ts	Method	TBLASTX:Soybean
Start	43673	End	44018

GI	none	Score	370
Exons	43673..43900, 43674..44018, 43964..44014		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o7.tm	Method	TBLASTX:Maize
Start	43833	End	44018
GI	none	Score	269
Exons	43833..44018, 43833..43901, 43835..44014		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o5.tm	Method	TBLASTX:Maize
Start	46039	End	46300
GI	none	Score	283
Exons	46039..46251, 46040..46300		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o13.gs	Method	GENSCAN
Start	49909	End	51466
GI	none	Score	.65
Exons	49909..50138, 50566..51466		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o8.np	Method	AAT/NAP
Start	50600	End	51496
GI	4106665	Score	280
Exons	50600..51496		
GI Descrip.	(AL035064) pmt2 methyltransferase [Schizosaccharomyces pombe]		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o7.ts	Method	TBLASTX:Soybean
Start	50642	End	50833
GI	none	Score	249
Exons	50642..50833		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o2.tm	Method	TBLASTX:Maize
Start	50653	End	51459
GI	none	Score	60
Exons	50653..50706, 50654..50689, 50657..50839, 50659..50730, 50812..50997, 50823..51239, 50901..51005, 50903..51109, 50953..51123, 51103..51270, 51153..51272, 51265..51459, 51281..51442, 51297..51458		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-

Start	49909	End	51496
Name	OJ990605_41.0225.C5.o4.gp	Method	AAT/GAP
Start	50706	End	51261
GI	uC-osflcyp162g12b1	Score	1030
Exons	50706..51261		
GI Descrip.	'4539291/emb|CAB39594.1| 5.0e-39 (AL049480) putative protein [Arabidopsis thaliana]'		

Seq. No.	26800	Seq. ID	OJ990605_41.0225.C5
Gene No.	55516	Strand	-
Start	49909	End	51496
Name	OJ990605_41.0225.C5.o4.ts	Method	TBLASTX:Soybean
Start	50835	End	51214
GI	none	Score	269
Exons	50835..51107, 50903..51109, 51191..51214		

Seq. No.	26801	Seq. ID	OJ990605_41.0225.C7
Gene No.	55517	Strand	-
Start	25	End	72
Name	OJ990605_41.0225.C7.o1.gs	Method	GENSCAN
Start	25	End	72
GI	none	Score	.82
Exons	25..72		

Seq. No.	26802	Seq. ID	OJ990625_04.0228.C1
Gene No.	55518	Strand	
Start	2	End	615
Name	OJ990625_04.0228.C1.o1.tw	Method	TBLASTX:Wheat
Start	2	End	394
GI	none	Score	245
Exons	2..217, 8..184, 173..247, 174..293, 181..324, 192..275, 216..392, 245..394, 247..393		

Seq. No.	26802	Seq. ID	OJ990625_04.0228.C1
Gene No.	55518	Strand	
Start	2	End	615
Name	OJ990625_04.0228.C1.o2.tm	Method	TBLASTX:Maize
Start	2	End	184
GI	none	Score	42
Exons	2..34, 8..34, 25..150, 32..184, 32..184		

Seq. No.	26802	Seq. ID	OJ990625_04.0228.C1
Gene No.	55518	Strand	
Start	2	End	615
Name	OJ990625_04.0228.C1.o1.tm	Method	TBLASTX:Maize
Start	189	End	615
GI	none	Score	40
Exons	189..221, 216..257, 216..524, 218..490, 219..524, 244..528, 516..614, 517..615		

Seq. No.	26802	Seq. ID	OJ990625_04.0228.C1
Gene No.	55518	Strand	
Start	2	End	615
Name	OJ990625_04.0228.C1.o1.tc	Method	TBLASTX:Cress
Start	264	End	615
GI	none	Score	475
Exons	264..614, 265..615		

Seq. No.	26802	Seq. ID	OJ990625_04.0228.C1
Gene No.	55518	Strand	
Start	2	End	615
Name	OJ990625_04.0228.C1.o1.ts	Method	TBLASTX:Soybean
Start	267	End	615
GI	none	Score	188
Exons	267..611, 267..614, 268..615, 511..615		

Seq. No.	26803	Seq. ID	OJ990625_04.0228.C2
Gene No.	55519	Strand	-
Start	1	End	922
Name	OJ990625_04.0228.C2.o1.gp	Method	AAT/GAP
Start	1	End	581
GI	7528_2.R1084	Score	1057
Exons	1..581		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	26803	Seq. ID	OJ990625_04.0228.C2
Gene No.	55519	Strand	-
Start	1	End	922
Name	OJ990625_04.0228.C2.o1.tc	Method	TBLASTX:Cress
Start	3	End	392
GI	none	Score	424
Exons	3..392, 3..389, 26..391		

Seq. No.	26803	Seq. ID	OJ990625_04.0228.C2
Gene No.	55519	Strand	-
Start	1	End	922
Name	OJ990625_04.0228.C2.o2.tm	Method	TBLASTX:Maize
Start	3	End	234
GI	none	Score	339
Exons	3..218, 3..215, 201..233, 202..234		

Seq. No.	26803	Seq. ID	OJ990625_04.0228.C2
Gene No.	55519	Strand	-
Start	1	End	922
Name	OJ990625_04.0228.C2.o1.ts	Method	TBLASTX:Soybean
Start	3	End	922
GI	none	Score	139
Exons	3..215, 3..215, 46..249, 237..398, 253..393, 720..851, 757..855, 758..844, 759..845, 766..855, 893..922		

Seq. No.	26803	Seq. ID	OJ990625_04.0228.C2
Gene No.	55519	Strand	-
Start	1	End	922
Name	OJ990625_04.0228.C2.o1.tm	Method	TBLASTX:Maize
Start	473	End	893
GI	none	Score	95
Exons	473..562, 487..558, 488..565, 489..587, 535..621, 555..626, 555..623, 557..634, 607..720, 623..721, 723..881, 724..891, 724..891, 726..893		

Seq. No.	26804	Seq. ID	OJ990625_04.0228.C3

Gene No.	55520	Strand	-
Start	1	End	60
Name	OJ990625_04.0228.C3.o1.gp	Method	AAT/GAP
Start	1	End	60
GI	14384_1.R1084	Score	116
Exons	1..60		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	26804	Seq. ID	OJ990625_04.0228.C3
Gene No.	55521	Strand	-
Start	157	End	997
Name	OJ990625_04.0228.C3.o3.tw	Method	TBLASTX:Wheat
Start	2	End	146
GI	none	Score	216
Exons	2..142, 3..146, 3..146		

Seq. No.	26804	Seq. ID	OJ990625_04.0228.C3
Gene No.	55521	Strand	-
Start	157	End	997
Name	OJ990625_04.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	146	End	892
GI	none	Score	54
Exons	146..196, 146..193, 152..880, 194..892, 198..881		

Seq. No.	26804	Seq. ID	OJ990625_04.0228.C3
Gene No.	55521	Strand	-
Start	157	End	997
Name	OJ990625_04.0228.C3.o2.gp	Method	AAT/GAP
Start	157	End	886
GI	24824_1.R1084	Score	1379
Exons	157..886		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	26804	Seq. ID	OJ990625_04.0228.C3
Gene No.	55521	Strand	-
Start	157	End	997
Name	OJ990625_04.0228.C3.o1.ts	Method	TBLASTX:Soybean
Start	216	End	919
GI	none	Score	567
Exons	216..731, 216..896, 218..919, 233..919		

Seq. No.	26804	Seq. ID	OJ990625_04.0228.C3
Gene No.	55521	Strand	-
Start	157	End	997
Name	OJ990625_04.0228.C3.o2.tw	Method	TBLASTX:Wheat
Start	291	End	473
GI	none	Score	266
Exons	291..473, 293..472		

Seq. No.	26804	Seq. ID	OJ990625_04.0228.C3
Gene No.	55521	Strand	-
Start	157	End	997
Name	OJ990625_04.0228.C3.o1.tc	Method	TBLASTX:Cress
Start	434	End	910

GI	none	Score	549
Exons	434..871, 434..874, 453..875, 526..876, 878..910		

Seq. No.	26804	Seq. ID	OJ990625_04.0228.C3
Gene No.	55521	Strand	-
Start	157	End	997
Name	OJ990625_04.0228.C3.o1.tw	Method	TBLASTX:Wheat
Start	474	End	997
GI	none	Score	671
Exons	474..899, 476..928, 476..928, 520..948, 912..995, 949..996, 949..996, 950..997		

Seq. No.	26805	Seq. ID	OJ990625_04.0228.C5
Gene No.	55522	Strand	+
Start	1	End	1032
Name	OJ990625_04.0228.C5.o1.gp	Method	AAT/GAP
Start	1	End	328
GI	uC-osf1M202092b08b1	Score	632
Exons	1..328		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	26805	Seq. ID	OJ990625_04.0228.C5
Gene No.	55522	Strand	+
Start	1	End	1032
Name	OJ990625_04.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	244
GI	none	Score	363
Exons	1..243, 1..243, 2..244		

Seq. No.	26805	Seq. ID	OJ990625_04.0228.C5
Gene No.	55522	Strand	+
Start	1	End	1032
Name	OJ990625_04.0228.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	927
GI	none	Score	1426
Exons	1..927, 1..918, 3..926		

Seq. No.	26805	Seq. ID	OJ990625_04.0228.C5
Gene No.	55522	Strand	+
Start	1	End	1032
Name	OJ990625_04.0228.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	887
GI	none	Score	1102
Exons	1..732, 7..723, 829..885, 829..885, 837..887		

Seq. No.	26805	Seq. ID	OJ990625_04.0228.C5
Gene No.	55522	Strand	+
Start	1	End	1032
Name	OJ990625_04.0228.C5.o2.tw	Method	TBLASTX:Wheat
Start	13	End	138
GI	none	Score	212
Exons	13..138, 16..135, 18..137		

Seq. No.	26805	Seq. ID	OJ990625_04.0228.C5
Gene No.	55522	Strand	+
Start	1	End	1032
Name	OJ990625_04.0228.C5.o2.tm	Method	TBLASTX:Maize
Start	244	End	412
GI	none	Score	273
Exons	244..411, 245..412, 247..411		

Seq. No.	26805	Seq. ID	OJ990625_04.0228.C5
Gene No.	55522	Strand	+
Start	1	End	1032
Name	OJ990625_04.0228.C5.o3.tw	Method	TBLASTX:Wheat
Start	469	End	586
GI	none	Score	205
Exons	469..585, 470..586, 472..585		

Seq. No.	26805	Seq. ID	OJ990625_04.0228.C5
Gene No.	55522	Strand	+
Start	1	End	1032
Name	OJ990625_04.0228.C5.o1.tw	Method	TBLASTX:Wheat
Start	705	End	1032
GI	none	Score	377
Exons	705..968, 712..1032, 712..1032		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55523	Strand	+
Start	3063	End	3585
Name	OJ990625_04.0228.C6.o1.gp	Method	AAT/GAP
Start	3063	End	3585
GI	uC-osflm202104g03b1	Score	1026
Exons	3063..3585		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o4.tc	Method	TBLASTX:Cress
Start	24	End	358
GI	none	Score	255
Exons	24..266, 30..266, 305..358, 306..356		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o4.tm	Method	TBLASTX:Maize
Start	75	End	358
GI	none	Score	345
Exons	75..290, 75..329, 76..318, 289..345, 290..358, 291..356, 292..357		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o1.tw	Method	TBLASTX:Wheat

Start	311	End	752
GI	none	Score	669
Exons	311..736, 312..752		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o1.tc	Method	TBLASTX:Cress
Start	397	End	975
GI	none	Score	89
Exons	397..450, 398..454, 399..455, 453..584, 456..584, 457..585, 458..586, 587..868, 590..856, 592..864, 592..873, 868..900, 872..901, 904..975, 908..970		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o8.tm	Method	TBLASTX:Maize
Start	817	End	969
GI	none	Score	89
Exons	817..870, 817..864, 818..886, 865..924, 871..924, 872..925, 872..925, 925..969, 928..969		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o3.tw	Method	TBLASTX:Wheat
Start	830	End	1231
GI	none	Score	86
Exons	830..904, 831..881, 832..882, 851..1066, 862..1059, 1060..1206, 1085..1228, 1106..1231		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o7.tm	Method	TBLASTX:Maize
Start	1005	End	1413
GI	none	Score	59
Exons	1005..1076, 1023..1076, 1027..1083, 1028..1081, 1056..1148, 1088..1144, 1142..1183, 1155..1220, 1160..1222, 1163..1225, 1229..1306, 1230..1301, 1231..1302, 1313..1405, 1336..1413, 1338..1400		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o2.tw	Method	TBLASTX:Wheat
Start	1593	End	2189
GI	none	Score	136
Exons	1593..1721, 1597..1722, 1598..1693, 1600..1722, 1746..1787, 1761..1826, 1780..1863, 1785..1862, 1837..1914, 1866..1913, 1866..1916, 1867..1914, 1899..2024, 1900..2025, 1904..2023, 1912..2025, 2013..2189, 2018..2188		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901

Name	OJ990625_04.0228.C6.o2.tm	Method	TBLASTX:Maize
Start	1755	End	2498
GI	none	Score	139
Exons	1755..1913, 1780..1905, 1782..1931, 1787..1927, 1900..1986, 1901..1984, 1980..2150, 1980..2150, 1982..2152, 2167..2199, 2168..2221, 2194..2220, 2202..2231, 2217..2288, 2218..2325, 2219..2287, 2283..2498, 2285..2491, 2286..2492		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o5.tc	Method	TBLASTX:Cress
Start	2082	End	2424
GI	none	Score	71
Exons	2082..2168, 2084..2149, 2224..2289, 2227..2289, 2289..2423, 2299..2424, 2310..2420		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o4.ts	Method	TBLASTX:Soybean
Start	2224	End	2439
GI	none	Score	146
Exons	2224..2289, 2283..2432, 2283..2438, 2284..2439		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o4.tw	Method	TBLASTX:Wheat
Start	2960	End	3348
GI	none	Score	83
Exons	2960..3019, 2961..3038, 3002..3040, 3063..3311, 3067..3333, 3073..3348		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o3.tm	Method	TBLASTX:Maize
Start	3045	End	3360
GI	none	Score	380
Exons	3045..3353, 3046..3360, 3046..3360		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o3.ts	Method	TBLASTX:Soybean
Start	3119	End	4482
GI	none	Score	168
Exons	3119..3226, 3121..3273, 3121..3273, 3669..3833, 3679..3909, 3692..3922, 3706..3909, 4145..4201, 4172..4243, 4174..4236, 4180..4224, 4231..4293, 4303..4473, 4304..4474, 4305..4469, 4305..4478, 4321..4482		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o7.tc	Method	TBLASTX:Cress

Start	3122	End	3282
GI	none	Score	165
Exons	3122..3226, 3124..3273, 3124..3282		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o5.tm	Method	TBLASTX:Maize
Start	3533	End	3880
GI	none	Score	94
Exons	3533..3601, 3543..3626, 3633..3842, 3644..3880, 3676..3876, 3686..3880		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o3.tc	Method	TBLASTX:Cress
Start	3692	End	4625
GI	none	Score	280
Exons	3692..3910, 3709..3909, 4177..4224, 4201..4293, 4305..4469, 4305..4469, 4321..4482, 4527..4625		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o5.ts	Method	TBLASTX:Soybean
Start	5069	End	5263
GI	none	Score	145
Exons	5069..5263, 5079..5228		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o6.tc	Method	TBLASTX:Cress
Start	5222	End	5799
GI	none	Score	37
Exons	5222..5251, 5288..5323, 5291..5320, 5313..5372, 5326..5373, 5409..5495, 5410..5484, 5500..5538, 5501..5599, 5502..5645, 5584..5646, 5682..5726, 5685..5726, 5755..5799		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o2.ts	Method	TBLASTX:Soybean
Start	5318	End	6366
GI	none	Score	73
Exons	5318..5368, 5326..5376, 5402..5443, 5406..5483, 5407..5433, 5445..5489, 5479..5547, 5500..5544, 5501..5554, 5544..5609, 5550..5642, 5551..5643, 5584..5655, 5738..5803, 5738..5797, 5745..5798, 5854..6012, 5865..6011, 5877..6029, 5878..6012, 6014..6058, 6032..6058, 6209..6364, 6209..6364, 6217..6366		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o6.tm	Method	TBLASTX:Maize
Start	5706	End	5897

GI	none	Score	62
Exons	5706..5735, 5709..5735, 5711..5737, 5739..5858, 5740..5859, 5741..5857, 5853..5897, 5854..5895, 5862..5897		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o1.tm	Method	TBLASTX:Maize
Start	5898	End	6901
GI	none	Score	230
Exons	5898..6029, 5898..6029, 5899..6030, 5899..6030, 6017..6061, 6023..6061, 6062..6085, 6063..6089, 6092..6901, 6098..6880		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o2.gp	Method	AAT/GAP
Start	5898	End	6065
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	5898..6065		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o1.ts	Method	TBLASTX:Soybean
Start	6368	End	6858
GI	none	Score	374
Exons	6368..6796, 6378..6797, 6379..6816, 6625..6816, 6835..6858		

Seq. No.	26806	Seq. ID	OJ990625_04.0228.C6
Gene No.	55524	Strand	-
Start	5898	End	6901
Name	OJ990625_04.0228.C6.o2.tc	Method	TBLASTX:Cress
Start	6386	End	6816
GI	none	Score	351
Exons	6386..6796, 6387..6797, 6430..6816		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55525	Strand	+
Start	509	End	637
Name	OJ990625_04.0228.C7.o1.gp	Method	AAT/GAP
Start	509	End	637
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	509..637		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55526	Strand	+
Start	1186	End	2080
Name	OJ990625_04.0228.C7.o2.tm	Method	TBLASTX:Maize
Start	496	End	786

GI	none	Score	167
Exons	496..612, 496..612, 603..785, 615..782, 616..786		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55526	Strand	+
Start	1186	End	2080
Name	OJ990625_04.0228.C7.o4.tc	Method	TBLASTX:Cress
Start	665	End	944
GI	none	Score	166
Exons	665..937, 678..944		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55526	Strand	+
Start	1186	End	2080
Name	OJ990625_04.0228.C7.o1.tc	Method	TBLASTX:Cress
Start	1120	End	1670
GI	none	Score	206
Exons	1120..1266, 1121..1288, 1127..1267, 1263..1643, 1265..1666, 1306..1662, 1455..1670		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55526	Strand	+
Start	1186	End	2080
Name	OJ990625_04.0228.C7.o2.gp	Method	AAT/GAP
Start	1186	End	1738
GI	2896_1.R1084	Score	1023
Exons	1186..1738		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55526	Strand	+
Start	1186	End	2080
Name	OJ990625_04.0228.C7.o1.tw	Method	TBLASTX:Wheat
Start	1228	End	1659
GI	none	Score	691
Exons	1228..1272, 1229..1657, 1229..1657, 1306..1659		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55526	Strand	+
Start	1186	End	2080
Name	OJ990625_04.0228.C7.o3.tm	Method	TBLASTX:Maize
Start	1265	End	1474
GI	none	Score	221
Exons	1265..1405, 1265..1402, 1266..1403, 1409..1474		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55526	Strand	+
Start	1186	End	2080
Name	OJ990625_04.0228.C7.o1.ts	Method	TBLASTX:Soybean
Start	1337	End	1781
GI	none	Score	694
Exons	1337..1777, 1338..1643, 1339..1776, 1680..1781		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55526	Strand	+
Start	1186	End	2080
Name	OJ990625_04.0228.C7.o1.tm	Method	TBLASTX:Maize
Start	1477	End	1791
GI	none	Score	567
Exons	1477..1791, 1478..1789		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55526	Strand	+
Start	1186	End	2080
Name	OJ990625_04.0228.C7.o2.tc	Method	TBLASTX:Cress
Start	1673	End	2080
GI	none	Score	686
Exons	1673..2080, 1673..2080		

Seq. No.	26807	Seq. ID	OJ990625_04.0228.C7
Gene No.	55527	Strand	
Start	2165	End	2483
Name	OJ990625_04.0228.C7.o3.tc	Method	TBLASTX:Cress
Start	2165	End	2483
GI	none	Score	75
Exons	2165..2248, 2168..2245, 2170..2250, 2282..2362, 2282..2362, 2361..2483, 2362..2454		

Seq. No.	26808	Seq. ID	OJ990625_04.0228.C8
Gene No.	55528	Strand	+
Start	1243	End	1749
Name	OJ990625_04.0228.C8.o2.gp	Method	AAT/GAP
Start	1243	End	1749
GI	uC-osflcyp011b01b1	Score	987
Exons	1243..1749		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	26808	Seq. ID	OJ990625_04.0228.C8
Gene No.	55529	Strand	-
Start	351	End	1807
Name	OJ990625_04.0228.C8.o1.tc	Method	TBLASTX:Cress
Start	1	End	1807
GI	none	Score	55
Exons	1..33, 2..88, 3..74, 32..169, 33..179, 33..173, 180..206, 181..219, 213..386, 218..448, 219..461, 426..452, 532..558, 1380..1805, 1383..1805, 1385..1807, 1391..1807		

Seq. No.	26808	Seq. ID	OJ990625_04.0228.C8
Gene No.	55529	Strand	-
Start	351	End	1807
Name	OJ990625_04.0228.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	755
GI	none	Score	60
Exons	1..33, 3..29, 5..43, 26..496, 31..348, 33..497, 33..386, 142..504, 215..502, 403..513, 482..559, 493..558, 493..564, 534..563, 551..601, 551..601, 552..602, 592..723, 603..635, 607..687, 681..722, 729..755		

Seq. No.	26808	Seq. ID	OJ990625_04.0228.C8
Gene No.	55529	Strand	-
Start	351	End	1807
Name	OJ990625_04.0228.C8.o2.ts	Method	TBLASTX:Soybean
Start	3	End	584
GI	none	Score	55
Exons	3..74, 5..43, 32..124, 33..125, 33..125, 161..220, 172..210, 213..386, 218..448, 218..448, 225..461, 426..452, 533..583, 534..584		

Seq. No.	26808	Seq. ID	OJ990625_04.0228.C8
Gene No.	55529	Strand	-
Start	351	End	1807
Name	OJ990625_04.0228.C8.o1.tw	Method	TBLASTX:Wheat
Start	73	End	322
GI	none	Score	248
Exons	73..240, 75..242, 241..309, 242..310, 242..322, 243..311, 244..312		

Seq. No.	26808	Seq. ID	OJ990625_04.0228.C8
Gene No.	55529	Strand	-
Start	351	End	1807
Name	OJ990625_04.0228.C8.o1.gp	Method	AAT/GAP
Start	351	End	802
GI	uC-osflcyp003h11b1	Score	872
Exons	351..802		
GI Descrip.	'131332/sp|P09449|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZOP photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'		

Seq. No.	26808	Seq. ID	OJ990625_04.0228.C8
Gene No.	55529	Strand	-
Start	351	End	1807
Name	OJ990625_04.0228.C8.o1.ts	Method	TBLASTX:Soybean
Start	885	End	1807
GI	none	Score	48
Exons	885..929, 931..978, 933..983, 991..1029, 993..1025, 1301..1345, 1302..1364, 1302..1361, 1341..1805, 1346..1807, 1353..1805, 1391..1807		

Seq. No.	26808	Seq. ID	OJ990625_04.0228.C8
Gene No.	55529	Strand	-
Start	351	End	1807
Name	OJ990625_04.0228.C8.o2.tm	Method	TBLASTX:Maize
Start	1386	End	1805
GI	none	Score	664
Exons	1386..1805, 1448..1804		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55530	Strand	+
Start	5826	End	6930
Name	OJ990625_04.0228.C9.o5.gp	Method	AAT/GAP
Start	5826	End	6930

GI	2291_1.R1084	Score	2153
Exons	5826..6930		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55531	Strand	+
Start	6945	End	8417
Name	OJ990625_04.0228.C9.o6.gp	Method	AAT/GAP
Start	6945	End	8417
GI	3073_1.R1084	Score	2927
Exons	6945..8417		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55532	Strand	-
Start	2282	End	2847
Name	OJ990625_04.0228.C9.o1.gp	Method	AAT/GAP
Start	2282	End	2847
GI	2798177	Score	1010
Exons	2282..2847		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55533	Strand	-
Start	3630	End	4020
Name	OJ990625_04.0228.C9.o2.gp	Method	AAT/GAP
Start	3630	End	4020
GI	5003883	Score	782
Exons	3630..4020		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55534	Strand	-
Start	4590	End	5175
Name	OJ990625_04.0228.C9.o3.gp	Method	AAT/GAP
Start	4590	End	5175
GI	481_1.R1084	Score	1023
Exons	4590..5175		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871

Name	OJ990625_04.0228.C9.o12.tc	Method	TBLASTX:Cress
Start	1	End	316
GI	none	Score	141
Exons	1..87, 2..85, 3..86, 6..104, 140..211, 142..210, 145..219, 263..316, 263..316		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o10.tm	Method	TBLASTX:Maize
Start	253	End	494
GI	none	Score	290
Exons	253..447, 254..445, 449..493, 450..491, 450..494		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o3.ts	Method	TBLASTX:Soybean
Start	402	End	1965
GI	none	Score	75
Exons	402..494, 402..521, 497..643, 553..642, 659..685, 762..809, 768..809, 921..1265, 939..1271, 946..1269, 946..1308, 956..1303, 1231..1377, 1255..1509, 1256..1486, 1266..1511, 1268..1513, 1417..1515, 1534..1614, 1557..1613, 1769..1945, 1771..1965		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o9.tc	Method	TBLASTX:Cress
Start	938	End	1185
GI	none	Score	208
Exons	938..1033, 939..1184, 939..1184, 952..1185		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o11.tc	Method	TBLASTX:Cress
Start	1186	End	1392
GI	none	Score	124
Exons	1186..1269, 1188..1271, 1204..1272, 1247..1390, 1255..1392, 1256..1390		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o10.tc	Method	TBLASTX:Cress
Start	1792	End	2234
GI	none	Score	36
Exons	1792..1857, 1843..1881, 1848..1886, 1898..1942, 1985..2221, 1994..2221, 2040..2234, 2092..2223, 2103..2234		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o2.ts	Method	TBLASTX:Soybean
Start	1985	End	2749
GI	none	Score	523

Exons	1985..2695, 1985..2749, 1992..2720, 2056..2742		
Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o5.tm	Method	TBLASTX:Maize
Start	2183	End	2657
GI	none	Score	662
Exons	2183..2656, 2184..2657, 2184..2657		
Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o3.tc	Method	TBLASTX:Cress
Start	2477	End	3064
GI	none	Score	295
Exons	2477..2749, 2481..2720, 2732..2791, 2764..2808, 2764..2808, 2791..2964, 2805..2876, 2805..2975, 2834..2989, 2937..2966, 2966..3064, 2968..3063		
Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o11.tm	Method	TBLASTX:Maize
Start	2665	End	2926
GI	none	Score	63
Exons	2665..2739, 2684..2743, 2686..2739, 2793..2921, 2806..2922, 2806..2922, 2834..2926		
Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o6.tm	Method	TBLASTX:Maize
Start	2944	End	3231
GI	none	Score	188
Exons	2944..3057, 2945..3061, 2945..3061, 3059..3229, 3060..3230, 3061..3231, 3062..3229, 3189..3230		
Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o5.ts	Method	TBLASTX:Soybean
Start	3019	End	3271
GI	none	Score	91
Exons	3019..3111, 3020..3190, 3029..3190, 3170..3271, 3171..3263, 3175..3264		
Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o1.tm	Method	TBLASTX:Maize
Start	3232	End	4748
GI	none	Score	38
Exons	3232..3264, 3233..3283, 3256..3339, 3276..3338, 3295..3366, 3350..3367, 3384..3623, 3386..3583, 3387..3608, 3406..3624, 3630..3908, 3631..3909, 3647..3910, 3651..3911, 3659..3709, 3683..3961, 3694..3972, 3917..3955, 3919..3999, 4007..4051,		

4012..4065, 4014..4064, 4083..4166, 4084..4506, 4103..4507,
4221..4511, 4501..4614, 4501..4746, 4505..4747, 4686..4748

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o6.ts	Method	TBLASTX:Soybean
Start	3716	End	3905
GI	none	Score	174
Exons	3716..3901, 3717..3905		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o2.tw	Method	TBLASTX:Wheat
Start	4007	End	4465
GI	none	Score	45
Exons	4007..4051, 4013..4051, 4014..4064, 4062..4082, 4084..4458, 4103..4456, 4103..4465, 4188..4457		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o1.ts	Method	TBLASTX:Soybean
Start	4096	End	9800
GI	none	Score	158
Exons	4096..4260, 4096..4308, 4103..4312, 4103..4330, 4303..4518, 4319..4507, 4532..4582, 4543..4569, 4586..4651, 4637..4939, 4648..4938, 4757..4951, 4927..5028, 4934..5053, 5114..5347, 5130..5492, 5130..5525, 5144..5533, 5149..5535, 5396..5530, 6759..7070, 6759..7139, 6760..7128, 7143..7250, 7313..7447, 7314..7463, 7314..7463, 7357..7464, 7373..7468, 7458..7487, 8068..8220, 8072..8305, 8082..8306, 8082..8306, 8310..8336, 8311..8334, 8531..8875, 8584..8874, 8585..8914, 8640..8879, 8820..9029, 8847..9044, 8947..9045, 9016..9162, 9030..9125, 9031..9129, 9121..9165, 9123..9164, 9124..9165, 9165..9344, 9167..9343, 9168..9395, 9349..9426, 9350..9427, 9405..9800, 9427..9705		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o5.tc	Method	TBLASTX:Cress
Start	4096	End	4615
GI	none	Score	156
Exons	4096..4308, 4099..4269, 4103..4300, 4303..4506, 4316..4507, 4500..4574, 4534..4566, 4577..4615		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o6.tw	Method	TBLASTX:Wheat
Start	4536	End	4900
GI	none	Score	60
Exons	4536..4571, 4537..4575, 4545..4613, 4555..4611, 4557..4613, 4622..4900, 4622..4897, 4639..4899		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o8.tc	Method	TBLASTX:Cress
Start	4641	End	5028
GI	none	Score	114
Exons	4641..4841, 4642..4845, 4649..4846, 4846..4893, 4846..4938, 4847..4939, 4914..4946, 4927..5028, 4934..5026		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o4.tm	Method	TBLASTX:Maize
Start	4789	End	6628
GI	none	Score	75
Exons	4789..4833, 4790..4834, 4833..4883, 4834..5535, 4835..5530, 6572..6628		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o4.tw	Method	TBLASTX:Wheat
Start	5053	End	5444
GI	none	Score	80
Exons	5053..5106, 5055..5105, 5057..5110, 5060..5443, 5061..5444		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o4.tc	Method	TBLASTX:Cress
Start	5062	End	5535
GI	none	Score	48
Exons	5062..5094, 5168..5233, 5213..5533, 5214..5489, 5224..5535, 5228..5527		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o7.tw	Method	TBLASTX:Wheat
Start	5476	End	5881
GI	none	Score	131
Exons	5476..5550, 5477..5551, 5521..5646, 5547..5651, 5551..5646, 5556..5681, 5665..5688, 5667..5690, 5689..5736, 5721..5801, 5732..5794, 5848..5880, 5849..5881		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o4.gp	Method	AAT/GAP
Start	5480	End	5743
GI	LIB3432-015-P1-K1-H8	Score	450
Exons	5480..5743		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-

Start	5480	End	9871
Name	OJ990625_04.0228.C9.o7.tm	Method	TBLASTX:Maize
Start	5845	End	6168
GI	none	Score	352
Exons	5845..6093, 5846..6094, 5853..6164, 5856..6149, 6100..6168		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o6.tc	Method	TBLASTX:Cress
Start	5884	End	7118
GI	none	Score	49
Exons	5884..5925, 5892..5912, 5944..6006, 5962..6006, 5999..6088, 6003..6095, 6216..6242, 6238..6282, 6391..6453, 6564..6605, 6575..6622, 6695..6937, 6702..7073, 6744..7118, 6745..7101		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o3.tw	Method	TBLASTX:Wheat
Start	5968	End	6602
GI	none	Score	202
Exons	5968..6126, 5969..6118, 5970..6146, 6091..6141, 6093..6179, 6094..6180, 6103..6177, 6165..6278, 6174..6281, 6179..6286, 6288..6497, 6296..6475, 6355..6525, 6365..6535, 6379..6525, 6555..6602, 6569..6601		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o8.tm	Method	TBLASTX:Maize
Start	6209	End	6532
GI	none	Score	59
Exons	6209..6238, 6210..6242, 6235..6276, 6235..6282, 6239..6337, 6240..6497, 6240..6410, 6367..6525, 6368..6475, 6371..6532, 6379..6513, 6465..6524		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o2.tm	Method	TBLASTX:Maize
Start	6672	End	8434
GI	none	Score	37
Exons	6672..6704, 6681..7253, 6683..6901, 6696..7094, 6703..7251, 7146..7253, 7206..7484, 7248..7487, 7467..7925, 7479..7925, 7873..7986, 7917..7991, 7934..7990, 7936..8040, 8005..8223, 8024..8338, 8033..8302, 8040..8339, 8269..8343, 8275..8343, 8304..8393, 8330..8389, 8332..8433, 8345..8434		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o1.tw	Method	TBLASTX:Wheat
Start	7155	End	7919
GI	none	Score	464
Exons	7155..7487, 7155..7484, 7465..7503, 7518..7916, 7524..7919		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o7.tc	Method	TBLASTX:Cress
Start	7349	End	7865
GI	none	Score	129
Exons	7349..7447, 7350..7460, 7357..7461, 7364..7462, 7511..7618, 7533..7829, 7542..7865		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o4.ts	Method	TBLASTX:Soybean
Start	7540	End	7868
GI	none	Score	137
Exons	7540..7830, 7542..7868, 7554..7835		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o2.tc	Method	TBLASTX:Cress
Start	8207	End	9095
GI	none	Score	92
Exons	8207..8305, 8208..8306, 8210..8299, 8445..8495, 8446..8496, 8446..8523, 8447..8503, 8497..8526, 8497..8526, 8583..8750, 8585..8752, 8585..8755, 8640..8756, 8766..9014, 8770..9009, 8778..9095, 8947..9015		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o3.tm	Method	TBLASTX:Maize
Start	8616	End	9445
GI	none	Score	1254
Exons	8616..9437, 8617..9438, 8640..9440, 8947..9441, 9074..9445		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o5.tw	Method	TBLASTX:Wheat
Start	8756	End	9063
GI	none	Score	448
Exons	8756..9061, 8757..9062, 8757..9062, 8947..9063		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o1.tc	Method	TBLASTX:Cress
Start	9350	End	9871
GI	none	Score	251
Exons	9350..9520, 9351..9524, 9351..9545, 9427..9558, 9545..9661, 9546..9665, 9669..9869, 9672..9869, 9674..9871		

Seq. No.	26809	Seq. ID	OJ990625_04.0228.C9
Gene No.	55535	Strand	-
Start	5480	End	9871
Name	OJ990625_04.0228.C9.o9.tm	Method	TBLASTX:Maize

Start	9669	End	9871
GI	none	Score	279
Exons	9669..9869, 9672..9869, 9674..9871		

Seq. No.	26810	Seq. ID	OJ990625_04.0228.C10
Gene No.	55536	Strand	
Start	479	End	883
Name	OJ990625_04.0228.C10.o1.tw	Method	TBLASTX:Wheat
Start	479	End	882
GI	none	Score	92
Exons	479..556, 479..556, 480..557, 557..601, 558..614, 558..614, 589..669, 594..671, 596..673, 605..667, 621..686, 631..672, 631..699, 632..673, 659..679, 684..734, 684..725, 685..777, 685..735, 724..882, 724..882		

Seq. No.	26810	Seq. ID	OJ990625_04.0228.C10
Gene No.	55536	Strand	
Start	479	End	883
Name	OJ990625_04.0228.C10.o1.ts	Method	TBLASTX:Soybean
Start	768	End	883
GI	none	Score	150
Exons	768..881, 772..882, 773..883		

Seq. No.	26811	Seq. ID	OJ990625_04.0228.C11
Gene No.	55537	Strand	-
Start	1588	End	2077
Name	OJ990625_04.0228.C11.o2.ts	Method	TBLASTX:Soybean
Start	995	End	1221
GI	none	Score	347
Exons	995..1219, 995..1219, 997..1221, 997..1221		

Seq. No.	26811	Seq. ID	OJ990625_04.0228.C11
Gene No.	55537	Strand	-
Start	1588	End	2077
Name	OJ990625_04.0228.C11.o1.ts	Method	TBLASTX:Soybean
Start	1222	End	1674
GI	none	Score	448
Exons	1222..1539, 1226..1540, 1254..1541, 1527..1604, 1544..1603, 1557..1673, 1559..1672, 1588..1674, 1588..1674		

Seq. No.	26811	Seq. ID	OJ990625_04.0228.C11
Gene No.	55537	Strand	-
Start	1588	End	2077
Name	OJ990625_04.0228.C11.o1.gp	Method	AAT/GAP
Start	1588	End	2077
GI	183_1.R1084	Score	940
Exons	1588..2077		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	26811	Seq. ID	OJ990625_04.0228.C11
Gene No.	55537	Strand	-

Start	1588	End	2077
Name	OJ990625_04.0228.C11.o2.tm	Method	TBLASTX:Maize
Start	1619	End	1743
GI	none	Score	132
Exons	1619..1705, 1620..1706, 1624..1722, 1624..1743		

Seq. No.	26811	Seq. ID	OJ990625_04.0228.C11
Gene No.	55537	Strand	-
Start	1588	End	2077
Name	OJ990625_04.0228.C11.o1.tm	Method	TBLASTX:Maize
Start	1757	End	2077
GI	none	Score	553
Exons	1757..2077, 1760..2077		

Seq. No.	26811	Seq. ID	OJ990625_04.0228.C11
Gene No.	55537	Strand	-
Start	1588	End	2077
Name	OJ990625_04.0228.C11.o3.ts	Method	TBLASTX:Soybean
Start	1787	End	2076
GI	none	Score	59
Exons	1787..1834, 1790..1831, 1830..2060, 1834..2076, 1835..2074		

Seq. No.	26811	Seq. ID	OJ990625_04.0228.C11
Gene No.	55537	Strand	-
Start	1588	End	2077
Name	OJ990625_04.0228.C11.o1.tc	Method	TBLASTX:Cress
Start	1799	End	2076
GI	none	Score	47
Exons	1799..1834, 1802..1831, 1830..2060, 1834..2076, 1835..2062		

Seq. No.	26812	Seq. ID	OJ990625_04.0228.C12
Gene No.	55538	Strand	-
Start	383	End	1183
Name	OJ990625_04.0228.C12.o1.ts	Method	TBLASTX:Soybean
Start	193	End	437
GI	none	Score	72
Exons	193..252, 194..253, 194..253, 260..316, 262..315, 300..437, 305..436, 306..437		

Seq. No.	26812	Seq. ID	OJ990625_04.0228.C12
Gene No.	55538	Strand	-
Start	383	End	1183
Name	OJ990625_04.0228.C12.o1.gp	Method	AAT/GAP
Start	383	End	852
GI	uC-osf1cyp097b05b1	Score	907
Exons	383..852		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	26812	Seq. ID	OJ990625_04.0228.C12
Gene No.	55538	Strand	-
Start	383	End	1183

Name	OJ990625_04.0228.C12.o1.tm	Method	TBLASTX:Maize
Start	649	End	1160
GI	none	Score	432
Exons	649..921, 651..950, 879..959, 969..1160, 969..1160	896..976, 900..962, 964..1158,	

Seq. No.	26812	Seq. ID	OJ990625_04.0228.C12
Gene No.	55538	Strand	-
Start	383	End	1183
Name	OJ990625_04.0228.C12.o1.tc	Method	TBLASTX:Cress
Start	815	End	1163
GI	none	Score	116
Exons	815..892, 816..893, 816..902, 900..941, 911..964, 915..962, 1069..1161	817..900, 880..909, 895..939, 993..1064, 994..1080, 1068..1163,	

Seq. No.	26812	Seq. ID	OJ990625_04.0228.C12
Gene No.	55538	Strand	-
Start	383	End	1183
Name	OJ990625_04.0228.C12.o2.ts	Method	TBLASTX:Soybean
Start	848	End	1183
GI	none	Score	46
Exons	848..892, 849..887, 850..894, 1015..1080, 1015..1077, 1068..1163, 1163..1183	897..932, 898..933, 1011..1064, 1070..1171, 1070..1162,	

Seq. No.	26813	Seq. ID	OJ990625_04.0228.C13
Gene No.	55539	Strand	-
Start	1	End	349
Name	OJ990625_04.0228.C13.o1.gp	Method	AAT/GAP
Start	1	End	349
GI	5455469	Score	682
Exons	1..349		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	26813	Seq. ID	OJ990625_04.0228.C13
Gene No.	55540	Strand	-
Start	713	End	1039
Name	OJ990625_04.0228.C13.o2.tc	Method	TBLASTX:Cress
Start	23	End	391
GI	none	Score	397
Exons	23..391, 41..391		

Seq. No.	26813	Seq. ID	OJ990625_04.0228.C13
Gene No.	55540	Strand	-
Start	713	End	1039
Name	OJ990625_04.0228.C13.o1.tw	Method	TBLASTX:Wheat
Start	197	End	547
GI	none	Score	109
Exons	197..313, 425..547		

Seq. No.	26813	Seq. ID	OJ990625_04.0228.C13
Gene No.	55540	Strand	-
Start	713	End	1039
Name	OJ990625_04.0228.C13.o2.ts	Method	TBLASTX:Soybean
Start	425	End	790
GI	none	Score	84
Exons	425..790, 446..631		

Seq. No.	26813	Seq. ID	OJ990625_04.0228.C13
Gene No.	55540	Strand	-
Start	713	End	1039
Name	OJ990625_04.0228.C13.o1.tc	Method	TBLASTX:Cress
Start	479	End	1039
GI	none	Score	241
Exons	479..706, 482..712, 689..1039, 708..1037, 709..1038		

Seq. No.	26813	Seq. ID	OJ990625_04.0228.C13
Gene No.	55540	Strand	-
Start	713	End	1039
Name	OJ990625_04.0228.C13.o1.tm	Method	TBLASTX:Maize
Start	674	End	1039
GI	none	Score	592
Exons	674..1039, 675..1037, 676..1038		

Seq. No.	26813	Seq. ID	OJ990625_04.0228.C13
Gene No.	55540	Strand	-
Start	713	End	1039
Name	OJ990625_04.0228.C13.o2.gp	Method	AAT/GAP
Start	713	End	1039
GI	24570_1.R1084	Score	654
Exons	713..1039		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	26813	Seq. ID	OJ990625_04.0228.C13
Gene No.	55540	Strand	-
Start	713	End	1039
Name	OJ990625_04.0228.C13.o1.ts	Method	TBLASTX:Soybean
Start	855	End	1039
GI	none	Score	283
Exons	855..1037, 855..1034, 857..1039		

Seq. No.	26814	Seq. ID	OJ990625_04.0228.C14
Gene No.	55541	Strand	
Start	1	End	650
Name	OJ990625_04.0228.C14.o1.tc	Method	TBLASTX:Cress
Start	1	End	650
GI	none	Score	348
Exons	1..345, 1..324, 312..395, 316..555, 322..483, 326..490, 480..650		

Seq. No.	26814	Seq. ID	OJ990625_04.0228.C14
Gene No.	55541	Strand	

Start	1	End	650
Name	OJ990625_04.0228.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	555
GI	none	Score	548
Exons	1..555, 1..465, 5..472, 480..554		

Seq. No.	26814	Seq. ID	OJ990625_04.0228.C14
Gene No.	55541	Strand	
Start	1	End	650
Name	OJ990625_04.0228.C14.o1.tm	Method	TBLASTX:Maize
Start	233	End	617
GI	none	Score	72
Exons	233..280, 233..280, 234..302, 270..395, 287..616, 287..577, 480..617		

Seq. No.	26815	Seq. ID	OJ990625_04.0228.C15
Gene No.	55542	Strand	-
Start	115	End	1192
Name	OJ990625_04.0228.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	1192
GI	none	Score	65
Exons	1..60, 2..61, 3..62, 53..169, 61..162, 96..218, 141..185, 190..252, 190..237, 192..254, 284..307, 285..311, 304..357, 305..352, 328..357, 334..378, 387..569, 388..570, 414..575, 572..778, 572..1057, 573..1073, 784..1095, 1078..1191, 1098..1190, 1099..1191, 1109..1192		

Seq. No.	26815	Seq. ID	OJ990625_04.0228.C15
Gene No.	55542	Strand	-
Start	115	End	1192
Name	OJ990625_04.0228.C15.o1.gp	Method	AAT/GAP
Start	115	End	1090
GI	2409_1.R1084	Score	1913
Exons	115..1090		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	26815	Seq. ID	OJ990625_04.0228.C15
Gene No.	55542	Strand	-
Start	115	End	1192
Name	OJ990625_04.0228.C15.o1.tc	Method	TBLASTX:Cress
Start	671	End	1070
GI	none	Score	101
Exons	671..1021, 673..738, 675..989, 677..1021, 798..1022, 1038..1070		

Seq. No.	26815	Seq. ID	OJ990625_04.0228.C15
Gene No.	55542	Strand	-
Start	115	End	1192
Name	OJ990625_04.0228.C15.o1.ts	Method	TBLASTX:Soybean
Start	731	End	1192
GI	none	Score	438
Exons	731..1057, 732..1061, 789..1064, 1027..1062, 1103..1189, 1104..1190, 1108..1191, 1109..1192		

Seq. No.	26816	Seq. ID	OJ990625_04.0228.C16
Gene No.	55543	Strand	
Start	1	End	1086
Name	OJ990625_04.0228.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	689
GI	none	Score	833
Exons	1..624, 2..598, 291..656, 292..624, 651..689		

Seq. No.	26816	Seq. ID	OJ990625_04.0228.C16
Gene No.	55543	Strand	
Start	1	End	1086
Name	OJ990625_04.0228.C16.o1.tw	Method	TBLASTX:Wheat
Start	1	End	424
GI	none	Score	317
Exons	1..225, 2..226, 127..387, 219..380, 295..381, 349..414, 352..411, 353..424, 375..413		

Seq. No.	26816	Seq. ID	OJ990625_04.0228.C16
Gene No.	55543	Strand	
Start	1	End	1086
Name	OJ990625_04.0228.C16.o2.tc	Method	TBLASTX:Cress
Start	1	End	314
GI	none	Score	154
Exons	1..237, 3..203, 225..314, 229..306		

Seq. No.	26816	Seq. ID	OJ990625_04.0228.C16
Gene No.	55543	Strand	
Start	1	End	1086
Name	OJ990625_04.0228.C16.o1.ts	Method	TBLASTX:Soybean
Start	246	End	1086
GI	none	Score	178
Exons	246..521, 311..595, 313..594, 1021..1086		

Seq. No.	26816	Seq. ID	OJ990625_04.0228.C16
Gene No.	55543	Strand	
Start	1	End	1086
Name	OJ990625_04.0228.C16.o1.tc	Method	TBLASTX:Cress
Start	321	End	1086
GI	none	Score	200
Exons	321..500, 325..624, 329..595, 540..647, 1021..1086		

Seq. No.	26816	Seq. ID	OJ990625_04.0228.C16
Gene No.	55543	Strand	
Start	1	End	1086
Name	OJ990625_04.0228.C16.o2.tm	Method	TBLASTX:Maize
Start	690	End	1051
GI	none	Score	71
Exons	690..830, 690..821, 690..752, 693..848, 699..785, 707..742, 708..872, 708..872, 709..786, 711..866, 711..845, 736..780, 738..788, 738..803, 745..789, 777..809, 793..837, 807..830, 816..914, 816..914, 855..962, 855..941, 858..926, 867..923, 867..914, 867..920, 867..914, 870..917, 876..962, 886..954, 894..995, 895..999, 895..969, 898..999, 898..1008, 898..954, 904..1044, 904..999, 906..1004, 907..966, 925..999, 925..999, 925..1035, 928..1035, 929..1042, 929..1051, 932..988, 953..1000, 958..1032, 958..1014, 959..1030, 980..1018, 984..1031		

Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55544	Strand	
Start	172	End	997
Name	OJ990625_04.0228.C17.o2.ts	Method	TBLASTX:Soybean
Start	172	End	723
GI	none	Score	295
Exons	172..498, 176..487, 186..515, 368..505, 556..723, 557..688, 558..707		

Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55544	Strand	
Start	172	End	997
Name	OJ990625_04.0228.C17.o1.tc	Method	TBLASTX:Cress
Start	253	End	997
GI	none	Score	227
Exons	253..489, 254..487, 255..503, 550..996, 557..997		

Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55544	Strand	
Start	172	End	997
Name	OJ990625_04.0228.C17.o1.tm	Method	TBLASTX:Maize
Start	279	End	612
GI	none	Score	215
Exons	279..515, 280..498, 368..505, 556..612, 557..610		

Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55545	Strand	
Start	1007	End	1800
Name	OJ990625_04.0228.C17.o2.tc	Method	TBLASTX:Cress
Start	1007	End	1430
GI	none	Score	375
Exons	1007..1276, 1009..1413, 1009..1374, 1325..1429, 1383..1430		

Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55545	Strand	
Start	1007	End	1800
Name	OJ990625_04.0228.C17.o6.ts	Method	TBLASTX:Soybean
Start	1240	End	1693
GI	none	Score	44
Exons	1240..1284, 1243..1281, 1280..1519, 1285..1497, 1325..1510, 1432..1536, 1507..1632, 1558..1632, 1633..1662, 1634..1693		

Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55545	Strand	
Start	1007	End	1800
Name	OJ990625_04.0228.C17.o6.tc	Method	TBLASTX:Cress
Start	1519	End	1800
GI	none	Score	253
Exons	1519..1800, 1574..1792		

Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55546	Strand	
Start	1705	End	1874
Name	OJ990625_04.0228.C17.o3.tm	Method	TBLASTX:Maize
Start	1705	End	1874
GI	none	Score	44

Exons	1705..1740, 1707..1748, 1709..1750, 1757..1825, 1759..1824, 1819..1872, 1825..1866, 1827..1874		
Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55547	Strand	
Start	1778	End	2594
Name	OJ990625_04.0228.C17.o1.ts	Method	TBLASTX:Soybean
Start	1778	End	2594
GI	none	Score	507
Exons	1778..2233, 1779..2192, 1783..2235, 1783..2232, 2133..2252, 2233..2406, 2234..2521, 2261..2593, 2382..2594, 2403..2594		
Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55547	Strand	
Start	1778	End	2594
Name	OJ990625_04.0228.C17.o3.tc	Method	TBLASTX:Cress
Start	2094	End	2494
GI	none	Score	83
Exons	2094..2222, 2095..2226, 2096..2224, 2233..2397, 2255..2488, 2255..2494		
Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55548	Strand	
Start	2507	End	3312
Name	OJ990625_04.0228.C17.o4.tc	Method	TBLASTX:Cress
Start	2507	End	3064
GI	none	Score	63
Exons	2507..2707, 2508..2615, 2777..3064, 2880..3026		
Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55548	Strand	
Start	2507	End	3312
Name	OJ990625_04.0228.C17.o2.tm	Method	TBLASTX:Maize
Start	2516	End	3119
GI	none	Score	97
Exons	2516..2707, 2777..3064, 2880..3119		
Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55548	Strand	
Start	2507	End	3312
Name	OJ990625_04.0228.C17.o3.ts	Method	TBLASTX:Soybean
Start	2897	End	3312
GI	none	Score	50
Exons	2897..2932, 2898..2933, 2920..3063, 2930..3064, 2934..3068, 2940..3068, 3083..3307, 3085..3312, 3087..3305, 3088..3306		
Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55549	Strand	
Start	3512	End	3883
Name	OJ990625_04.0228.C17.o5.ts	Method	TBLASTX:Soybean
Start	3512	End	3883
GI	none	Score	101
Exons	3512..3685, 3515..3679, 3534..3686, 3552..3686, 3553..3690, 3701..3739, 3710..3880, 3732..3881, 3732..3881, 3734..3883		
Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55550	Strand	

Start	3884	End	4537
Name	OJ990625_04.0228.C17.o5.tc	Method	TBLASTX:Cress
Start	3884	End	4403
GI	none	Score	125
Exons	3884..3961, 3887..3994, 3888..3998, 3888..4004, 3895..4038, 3978..4148, 3999..4148, 4003..4155, 4146..4271, 4157..4288, 4165..4293, 4292..4399, 4292..4399, 4311..4400, 4317..4403, 4345..4401		

Seq. No.	26817	Seq. ID	OJ990625_04.0228.C17
Gene No.	55550	Strand	
Start	3884	End	4537
Name	OJ990625_04.0228.C17.o4.ts	Method	TBLASTX:Soybean
Start	3885	End	4537
GI	none	Score	161
Exons	3885..3998, 3890..3961, 3895..3999, 3895..3999, 3978..4148, 3999..4148, 4000..4158, 4146..4271, 4147..4290, 4157..4288, 4292..4537, 4304..4534, 4317..4535		

Seq. No.	26818	Seq. ID	OJ990625_04.0228.C18
Gene No.	55551	Strand	+
Start	319	End	449
Name	OJ990625_04.0228.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	397
GI	none	Score	174
Exons	1..48, 16..210, 27..212, 35..220, 270..344, 271..345, 271..345, 362..397, 363..392		

Seq. No.	26818	Seq. ID	OJ990625_04.0228.C18
Gene No.	55551	Strand	+
Start	319	End	449
Name	OJ990625_04.0228.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	332
GI	none	Score	42
Exons	1..21, 2..28, 8..331, 9..332, 27..332		

Seq. No.	26818	Seq. ID	OJ990625_04.0228.C18
Gene No.	55551	Strand	+
Start	319	End	449
Name	OJ990625_04.0228.C18.o1.ts	Method	TBLASTX:Soybean
Start	2	End	350
GI	none	Score	192
Exons	2..28, 16..240, 27..242, 236..331, 246..350, 259..333		

Seq. No.	26818	Seq. ID	OJ990625_04.0228.C18
Gene No.	55551	Strand	+
Start	319	End	449
Name	OJ990625_04.0228.C18.o1.gp	Method	AAT/GAP
Start	319	End	449
GI	5607624	Score	215
Exons	319..449		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	26818	Seq. ID	OJ990625_04.0228.C18
Gene No.	55552	Strand	
Start	1750	End	1887

Name	OJ990625_04.0228.C18.o2.ts	Method	TBLASTX:Soybean
Start	1750	End	1887
GI	none	Score	191
Exons	1750..1872, 1759..1887		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55553	Strand	+
Start	4645	End	5103
Name	OJ990625_04.0228.C19.o4.gp	Method	AAT/GAP
Start	4645	End	5103
GI	45273_1.R1084	Score	850
Exons	4645..5103		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55554	Strand	-
Start	1	End	153
Name	OJ990625_04.0228.C19.o1.gp	Method	AAT/GAP
Start	1	End	153
GI	LIB3432-021-P1-K1-A3	Score	228
Exons	1..153		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome'		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55555	Strand	-
Start	227	End	338
Name	OJ990625_04.0228.C19.o2.gp	Method	AAT/GAP
Start	227	End	338
GI	1036999	Score	198
Exons	227..338		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55556	Strand	-
Start	4080	End	4254
Name	OJ990625_04.0228.C19.o3.gp	Method	AAT/GAP
Start	4080	End	4254
GI	306_9.R1084	Score	234
Exons	4080..4254		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55557	Strand	-
Start	5421	End	6309
Name	OJ990625_04.0228.C19.o5.gp	Method	AAT/GAP
Start	5421	End	6309
GI	7587_1.R1084	Score	1619
Exons	5421..6309		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19

Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o6.tm	Method	TBLASTX:Maize
Start	1	End	303
GI	none	Score	101
Exons	1..78, 2..76, 47..223, 54..227, 54..221, 55..231, 216..287, 221..268, 261..302, 261..302, 262..303		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o6.tc	Method	TBLASTX:Cress
Start	54	End	380
GI	none	Score	150
Exons	54..215, 81..227, 106..225, 216..263, 217..264, 261..332, 330..380, 330..377		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o5.tw	Method	TBLASTX:Wheat
Start	66	End	264
GI	none	Score	161
Exons	66..227, 72..215, 106..225, 216..263, 217..264		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o4.ts	Method	TBLASTX:Soybean
Start	96	End	410
GI	none	Score	141
Exons	96..224, 108..218, 235..264, 286..393, 330..410		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o8.tm	Method	TBLASTX:Maize
Start	883	End	1155
GI	none	Score	45
Exons	883..927, 889..927, 965..1132, 972..1154, 972..1154, 973..1155, 991..1155		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o5.tc	Method	TBLASTX:Cress
Start	1024	End	1161
GI	none	Score	201
Exons	1024..1161, 1024..1161		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o9.tm	Method	TBLASTX:Maize
Start	2016	End	2219
GI	none	Score	172
Exons	2016..2159, 2026..2151, 2145..2219, 2146..2217		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o7.tm	Method	TBLASTX:Maize
Start	3154	End	3426
GI	none	Score	123
Exons	3154..3237, 3155..3238, 3187..3366, 3228..3368, 3231..3368, 3272..3376, 3336..3425, 3358..3426		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o10.tm	Method	TBLASTX:Maize
Start	3900	End	4117
GI	none	Score	64
Exons	3900..3959, 3903..3962, 3955..4110, 3958..4113, 4040..4117		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o5.tm	Method	TBLASTX:Maize
Start	4665	End	5295
GI	none	Score	34
Exons	4665..4706, 4680..4724, 4681..4719, 4735..5007, 4737..5009, 4737..5006, 4738..5043, 4739..5053, 4991..5089, 5008..5094, 5010..5108, 5010..5093, 5011..5094, 5197..5235, 5197..5235, 5206..5295, 5247..5294, 5248..5295		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o3.ts	Method	TBLASTX:Soybean
Start	4765	End	5342
GI	none	Score	294
Exons	4765..4989, 4773..4997, 4777..4989, 5041..5088, 5259..5291, 5263..5292, 5281..5340, 5283..5342, 5286..5342		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o4.tc	Method	TBLASTX:Cress
Start	4765	End	5294
GI	none	Score	184
Exons	4765..4989, 4766..4981, 4770..4994, 4776..4988, 4777..4989, 5039..5086, 5057..5086, 5147..5215, 5152..5184, 5256..5294		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o1.tc	Method	TBLASTX:Cress
Start	5364	End	7007
GI	none	Score	35
Exons	5364..5381, 5365..5385, 5447..5527, 5474..5527, 5566..6006, 5568..6458, 5569..6465, 6071..6667, 6079..6663, 6173..7003, 6513..7007, 6514..7005		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o4.tw	Method	TBLASTX:Wheat
Start	5468	End	5832
GI	none	Score	109
Exons	5468..5539, 5468..5563, 5470..5541, 5527..5832, 5541..5831, 5566..5832		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o1.ts	Method	TBLASTX:Soybean
Start	5553	End	7029
GI	none	Score	1317
Exons	5553..6458, 5572..6465, 6071..6667, 6085..7029, 6513..6680, 6514..7029		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o3.tm	Method	TBLASTX:Maize
Start	5559	End	5994
GI	none	Score	660
Exons	5559..5993, 5560..5994, 5566..5994		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o1.tw	Method	TBLASTX:Wheat
Start	5834	End	6465
GI	none	Score	184
Exons	5834..5968, 5835..5951, 5911..6012, 5912..6025, 5927..6031, 5931..6464, 5931..6458, 5932..6465, 6079..6465		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o1.tm	Method	TBLASTX:Maize
Start	5995	End	6481
GI	none	Score	745
Exons	5995..6465, 6000..6476, 6000..6458, 6074..6481, 6085..6480		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o6.gp	Method	AAT/GAP
Start	6405	End	6862
GI	2231_2.R1084	Score	844
Exons	6405..6862		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o3.tw	Method	TBLASTX:Wheat

Start	6466	End	6864
GI	none	Score	208
Exons	6466..6663, 6467..6667, 6513..6863, 6514..6864, 6724..6864		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55558	Strand	-
Start	6405	End	7029
Name	OJ990625_04.0228.C19.o2.tm	Method	TBLASTX:Maize
Start	6517	End	6966
GI	none	Score	699
Exons	6517..6966, 6519..6965		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55559	Strand	
Start	7028	End	7841
Name	OJ990625_04.0228.C19.o2.tw	Method	TBLASTX:Wheat
Start	7028	End	7470
GI	none	Score	126
Exons	7028..7099, 7029..7103, 7089..7244, 7089..7214, 7091..7234, 7189..7443, 7205..7450, 7435..7470		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55559	Strand	
Start	7028	End	7841
Name	OJ990625_04.0228.C19.o2.tc	Method	TBLASTX:Cress
Start	7211	End	7540
GI	none	Score	501
Exons	7211..7540, 7213..7536		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55559	Strand	
Start	7028	End	7841
Name	OJ990625_04.0228.C19.o2.ts	Method	TBLASTX:Soybean
Start	7236	End	7840
GI	none	Score	611
Exons	7236..7838, 7236..7625, 7237..7839, 7238..7840		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55559	Strand	
Start	7028	End	7841
Name	OJ990625_04.0228.C19.o4.tm	Method	TBLASTX:Maize
Start	7262	End	7689
GI	none	Score	667
Exons	7262..7684, 7264..7689, 7264..7683		

Seq. No.	26819	Seq. ID	OJ990625_04.0228.C19
Gene No.	55559	Strand	
Start	7028	End	7841
Name	OJ990625_04.0228.C19.o3.tc	Method	TBLASTX:Cress
Start	7624	End	7841
GI	none	Score	347
Exons	7624..7839, 7625..7840, 7695..7841		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55560	Strand	+
Start	2307	End	2757
Name	OJ990625_04.0228.C20.o1.gp	Method	AAT/GAP

Start	2307	End	2757
GI	uC-osflcyp086a01b1	Score	902
Exons	2307..2757		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55561	Strand	+
Start	2838	End	4082
Name	OJ990625_04.0228.C20.o2.gp	Method	AAT/GAP
Start	2838	End	4082
GI	uC-osflcyp086a01a1	Score	851
Exons	2838..3083, 3892..4082		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o1.tw	Method	TBLASTX:Wheat
Start	8	End	563
GI	none	Score	55
Exons	8..82, 13..81, 41..127, 51..245, 76..198, 87..227, 214..339, 224..337, 331..402, 338..427, 344..418, 376..447, 377..427, 388..429, 418..501, 421..501, 422..514, 423..509, 503..532, 504..563		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o6.tm	Method	TBLASTX:Maize
Start	8	End	238
GI	none	Score	37
Exons	8..61, 9..41, 13..63, 41..94, 51..92, 53..97, 99..227, 101..238, 102..227		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o3.tm	Method	TBLASTX:Maize
Start	240	End	668
GI	none	Score	126
Exons	240..335, 240..335, 242..337, 257..337, 344..406, 344..406, 348..407, 362..484, 364..501, 386..502, 503..532, 507..611, 538..612, 558..617, 560..616, 601..666, 602..667, 603..668, 603..668		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o4.tc	Method	TBLASTX:Cress
Start	740	End	1020
GI	none	Score	47
Exons	740..766, 740..766, 864..1007, 864..1007, 877..1020		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o2.ts	Method	TBLASTX:Soybean
Start	740	End	1609
GI	none	Score	177
Exons	740..835, 876..1004, 878..1006, 880..1005, 1358..1609, 1374..1580, 1375..1587		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o5.tm	Method	TBLASTX:Maize
Start	1013	End	1220
GI	none	Score	160
Exons	1013..1111, 1013..1120, 1015..1125, 1086..1151, 1094..1150, 1105..1161, 1150..1218, 1152..1220		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o1.tm	Method	TBLASTX:Maize
Start	1221	End	1787
GI	none	Score	56
Exons	1221..1262, 1223..1273, 1223..1273, 1259..1321, 1259..1324, 1261..1323, 1323..1514, 1327..1641, 1328..1636, 1630..1779, 1634..1780, 1659..1787		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o2.tc	Method	TBLASTX:Cress
Start	1351	End	1583
GI	none	Score	156
Exons	1351..1569, 1352..1576, 1352..1567, 1371..1583		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o2.tw	Method	TBLASTX:Wheat
Start	1478	End	1751
GI	none	Score	368
Exons	1478..1750, 1479..1751, 1659..1751		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o2.tm	Method	TBLASTX:Maize
Start	2858	End	3485
GI	none	Score	64
Exons	2858..2902, 2861..2908, 2886..2936, 2903..2935, 2904..2936, 2937..2969, 2957..3211, 2959..3237, 2965..3225, 3199..3336, 3210..3347, 3213..3344, 3257..3367, 3350..3484, 3358..3483, 3405..3485		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+

Start	4676	End	5333
Name	OJ990625_04.0228.C20.o1.ts	Method	TBLASTX:Soybean
Start	2967	End	4088
GI	none	Score	38
Exons	2967..2990, 2971..2991, 3016..3105, 3031..3105, 3097..3147, 3102..3161, 3136..3189, 3136..3198, 3209..3247, 3211..3249, 3252..3353, 3267..3353, 3479..3508, 3525..3575, 3526..3567, 3573..3620, 3780..3878, 3790..3882, 3816..3887, 3849..4088, 3860..4087		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o3.tc	Method	TBLASTX:Cress
Start	3826	End	4013
GI	none	Score	230
Exons	3826..3921, 3827..4012, 3828..4013, 3834..4013		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o7.tm	Method	TBLASTX:Maize
Start	4317	End	4691
GI	none	Score	65
Exons	4317..4370, 4367..4462, 4367..4426, 4368..4463, 4375..4473, 4453..4497, 4491..4571, 4495..4572, 4496..4555, 4528..4590, 4545..4583, 4556..4594, 4559..4597, 4586..4651, 4593..4652, 4611..4652, 4648..4689, 4649..4690, 4650..4691, 4650..4691		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o1.tc	Method	TBLASTX:Cress
Start	4657	End	5204
GI	none	Score	157
Exons	4657..4806, 4665..4808, 4666..4806, 4795..4836, 4795..4821, 4797..4835, 4861..4905, 4887..5000, 4912..5004, 4924..5010, 4928..5011, 4928..5020, 5104..5139, 5105..5149, 5109..5150, 5112..5150, 5151..5192, 5152..5199, 5154..5204		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o3.gp	Method	AAT/GAP
Start	4676	End	4944
GI	40596_1.R1084	Score	450
Exons	4676..4944		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o4.tm	Method	TBLASTX:Maize
Start	4692	End	4952
GI	none	Score	209
Exons	4692..4844, 4692..4892, 4693..4872, 4837..4932, 4863..4940,		

4929..4952

Seq. No.	26820	Seq. ID	OJ990625_04.0228.C20
Gene No.	55562	Strand	+
Start	4676	End	5333
Name	OJ990625_04.0228.C20.o8.tm	Method	TBLASTX:Maize
Start	5100	End	5333
GI	none	Score	114
Exons	5100..5183, 5107..5181, 5161..5205, 5179..5205, 5181..5276, 5188..5280, 5192..5281, 5300..5332, 5301..5333, 5301..5333		

Seq. No.	26821	Seq. ID	OJ990625_04.0228.C21
Gene No.	55563	Strand	
Start	43	End	311
Name	OJ990625_04.0228.C21.o1.tm	Method	TBLASTX:Maize
Start	43	End	309
GI	none	Score	415
Exons	43..309, 44..307		

Seq. No.	26821	Seq. ID	OJ990625_04.0228.C21
Gene No.	55563	Strand	
Start	43	End	311
Name	OJ990625_04.0228.C21.o1.tw	Method	TBLASTX:Wheat
Start	141	End	311
GI	none	Score	46
Exons	141..167, 142..168, 143..169, 163..309, 163..309, 164..310, 165..311		

Seq. No.	26822	Seq. ID	OJ990625_04.0228.C22
Gene No.	55564	Strand	+
Start	256	End	428
Name	OJ990625_04.0228.C22.o1.gp	Method	AAT/GAP
Start	256	End	428
GI	7587_1.R1084	Score	297
Exons	256..428		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	26822	Seq. ID	OJ990625_04.0228.C22
Gene No.	55564	Strand	+
Start	256	End	428
Name	OJ990625_04.0228.C22.o1.tm	Method	TBLASTX:Maize
Start	256	End	366
GI	none	Score	179
Exons	256..366, 257..364		

Seq. No.	26822	Seq. ID	OJ990625_04.0228.C22
Gene No.	55564	Strand	+
Start	256	End	428
Name	OJ990625_04.0228.C22.o1.tw	Method	TBLASTX:Wheat
Start	256	End	427
GI	none	Score	298
Exons	256..426, 257..427, 257..427		

Seq. No.	26822	Seq. ID	OJ990625_04.0228.C22
Gene No.	55564	Strand	+
Start	256	End	428
Name	OJ990625_04.0228.C22.o1.ts	Method	TBLASTX:Soybean
Start	256	End	427
GI	none	Score	298
Exons	256..426, 257..427		

Seq. No.	26822	Seq. ID	OJ990625_04.0228.C22
Gene No.	55564	Strand	+
Start	256	End	428
Name	OJ990625_04.0228.C22.o1.tc	Method	TBLASTX:Cress
Start	256	End	428
GI	none	Score	298
Exons	256..426, 257..427, 257..427, 330..428		

Seq. No.	26823	Seq. ID	OJ990625_04.0228.C23
Gene No.	55565	Strand	
Start	1	End	624
Name	OJ990625_04.0228.C23.o1.ts	Method	TBLASTX:Soybean
Start	1	End	624
GI	none	Score	201
Exons	1..198, 1..408, 3..401, 3..422, 409..558, 429..557, 430..558, 434..559, 546..623, 553..624, 555..623		

Seq. No.	26823	Seq. ID	OJ990625_04.0228.C23
Gene No.	55565	Strand	
Start	1	End	624
Name	OJ990625_04.0228.C23.o1.tc	Method	TBLASTX:Cress
Start	2	End	329
GI	none	Score	311
Exons	2..328, 3..329, 3..323		

Seq. No.	26823	Seq. ID	OJ990625_04.0228.C23
Gene No.	55565	Strand	
Start	1	End	624
Name	OJ990625_04.0228.C23.o1.tw	Method	TBLASTX:Wheat
Start	30	End	474
GI	none	Score	618
Exons	30..473, 30..473, 31..474, 235..474		

Seq. No.	26824	Seq. ID	OJ990625_04.0228.C24
Gene No.	55566	Strand	
Start	5	End	360
Name	OJ990625_04.0228.C24.o1.tc	Method	TBLASTX:Cress
Start	5	End	360
GI	none	Score	64
Exons	5..55, 5..55, 16..60, 74..121, 75..251, 76..258, 159..260, 161..259, 285..344, 287..346, 289..360, 298..351		

Seq. No.	26825	Seq. ID	OJ990625_04.0228.C25
Gene No.	55567	Strand	
Start	3	End	257
Name	OJ990625_04.0228.C25.o1.tc	Method	TBLASTX:Cress
Start	3	End	257
GI	none	Score	163
Exons	3..185, 8..190, 24..173, 29..190, 194..256, 194..256, 219..257		

Seq. No.	26825	Seq. ID	OJ990625_04.0228.C25
Gene No.	55567	Strand	
Start	3	End	257
Name	OJ990625_04.0228.C25.o1.ts	Method	TBLASTX:Soybean
Start	3	End	257
GI	none	Score	159
Exons	3..185, 8..190, 24..173, 194..256, 219..257		

Seq. No.	26826	Seq. ID	OJ990625_04.0228.C26
Gene No.	55568	Strand	+
Start	164	End	470
Name	OJ990625_04.0228.C26.o1.tm	Method	TBLASTX:Maize
Start	1	End	469
GI	none	Score	711
Exons	1..468, 1..468, 2..469		

Seq. No.	26826	Seq. ID	OJ990625_04.0228.C26
Gene No.	55568	Strand	+
Start	164	End	470
Name	OJ990625_04.0228.C26.o1.ts	Method	TBLASTX:Soybean
Start	2	End	329
GI	none	Score	118
Exons	2..73, 2..70, 74..187, 74..187, 199..321, 200..325, 252..329		

Seq. No.	26826	Seq. ID	OJ990625_04.0228.C26
Gene No.	55568	Strand	+
Start	164	End	470
Name	OJ990625_04.0228.C26.o1.gp	Method	AAT/GAP
Start	164	End	470
GI	5005167	Score	614
Exons	164..470		
GI Descrip.	140281/sp|P09363|YCX1_SOYBN 1.0e-32 HYPOTHETICAL 16.8 KD PROTEIN (ORF 143) >gi_81821_pir__S05717 hypothetical protein 143 - soybean chloroplast >gi_11577_emb_CAA30522_ (X07675) ORF 143 [Glycine max]		

Seq. No.	26826	Seq. ID	OJ990625_04.0228.C26
Gene No.	55568	Strand	+
Start	164	End	470
Name	OJ990625_04.0228.C26.o1.tc	Method	TBLASTX:Cress
Start	307	End	467
GI	none	Score	190
Exons	307..447, 312..449, 312..467, 346..456		

Seq. No.	26826	Seq. ID	OJ990625_04.0228.C26
Gene No.	55568	Strand	+
Start	164	End	470
Name	OJ990625_04.0228.C26.o2.ts	Method	TBLASTX:Soybean
Start	330	End	451
GI	none	Score	193
Exons	330..449, 331..447, 341..451		

Seq. No.	26827	Seq. ID	OJ990625_04.0228.C27
Gene No.	55569	Strand	-
Start	477	End	799
Name	OJ990625_04.0228.C27.o2.tm	Method	TBLASTX:Maize

Start	216	End	367
GI	none	Score	153
Exons	216..308, 218..322, 236..322, 308..340, 308..340, 315..365, 329..361, 335..367		

Seq. No.	26827	Seq. ID	OJ990625_04.0228.C27
Gene No.	55569	Strand	-
Start	477	End	799
Name	OJ990625_04.0228.C27.o1.gp	Method	AAT/GAP
Start	477	End	799
GI	14384_1.R1084	Score	377
Exons	477..505, 591..799		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	26827	Seq. ID	OJ990625_04.0228.C27
Gene No.	55569	Strand	-
Start	477	End	799
Name	OJ990625_04.0228.C27.o1.tm	Method	TBLASTX:Maize
Start	507	End	792
GI	none	Score	50
Exons	507..554, 507..566, 509..562, 565..603, 674..784, 674..781, 676..792, 688..783		

Seq. No.	26827	Seq. ID	OJ990625_04.0228.C27
Gene No.	55569	Strand	-
Start	477	End	799
Name	OJ990625_04.0228.C27.o1.tw	Method	TBLASTX:Wheat
Start	638	End	784
GI	none	Score	201
Exons	638..781, 644..784, 660..782, 688..783		

Seq. No.	26828	Seq. ID	OJ990625_04.0228.C28
Gene No.	55570	Strand	
Start	1	End	837
Name	OJ990625_04.0228.C28.o1.tm	Method	TBLASTX:Maize
Start	1	End	837
GI	none	Score	83
Exons	1..69, 2..64, 3..65, 42..188, 52..195, 55..183, 169..249, 176..256, 177..260, 179..268, 246..836, 247..837, 265..837		

Seq. No.	26828	Seq. ID	OJ990625_04.0228.C28
Gene No.	55570	Strand	
Start	1	End	837
Name	OJ990625_04.0228.C28.o2.ts	Method	TBLASTX:Soybean
Start	1	End	184
GI	none	Score	197
Exons	1..183, 1..183, 2..184		

Seq. No.	26828	Seq. ID	OJ990625_04.0228.C28
Gene No.	55570	Strand	
Start	1	End	837
Name	OJ990625_04.0228.C28.o1.ts	Method	TBLASTX:Soybean
Start	315	End	765
GI	none	Score	689
Exons	315..689, 331..765, 331..765		

Seq. No.	26828	Seq. ID	OJ990625_04.0228.C28
Gene No.	55570	Strand	
Start	1	End	837
Name	OJ990625_04.0228.C28.o1.tc	Method	TBLASTX:Cress
Start	340	End	817
GI	none	Score	703
Exons	340..816, 342..686, 349..816, 350..817		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55571	Strand	+
Start	1582	End	2504
Name	OJ990625_04.0228.C29.o2.tm	Method	TBLASTX:Maize
Start	2	End	850
GI	none	Score	53
Exons	2..49, 3..47, 43..141, 44..145, 225..323, 229..348, 316..357, 318..473, 329..352, 347..475, 348..470, 441..584, 442..585, 442..588, 569..739, 581..742, 582..740, 735..818, 737..850		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55571	Strand	+
Start	1582	End	2504
Name	OJ990625_04.0228.C29.o2.tw	Method	TBLASTX:Wheat
Start	210	End	648
GI	none	Score	73
Exons	210..284, 210..311, 220..285, 284..442, 323..349, 346..465, 348..443, 607..648		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55571	Strand	+
Start	1582	End	2504
Name	OJ990625_04.0228.C29.o3.ts	Method	TBLASTX:Soybean
Start	229	End	472
GI	none	Score	76
Exons	229..351, 233..325, 234..326, 313..465, 315..350, 322..357, 339..440, 346..465, 347..472, 347..466		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55571	Strand	+
Start	1582	End	2504
Name	OJ990625_04.0228.C29.o1.tc	Method	TBLASTX:Cress
Start	1208	End	2207
GI	none	Score	137
Exons	1208..1345, 1210..1305, 1223..1306, 1488..1559, 1511..1558, 1573..1707, 1577..2206, 1577..2197, 1578..2207		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55571	Strand	+
Start	1582	End	2504
Name	OJ990625_04.0228.C29.o4.tm	Method	TBLASTX:Maize
Start	1444	End	1701
GI	none	Score	44
Exons	1444..1470, 1446..1469, 1467..1505, 1468..1587, 1478..1591, 1479..1589, 1501..1593, 1559..1699, 1587..1700, 1588..1701, 1588..1701		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55571	Strand	+

Start	1582	End	2504
Name	OJ990625_04.0228.C29.o1.ts	Method	TBLASTX:Soybean
Start	1479	End	1983
GI	none	Score	41
Exons	1479..1535, 1579..1674, 1580..1981, 1581..1982, 1588..1983, 1762..1983		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55571	Strand	+
Start	1582	End	2504
Name	OJ990625_04.0228.C29.o1.gp	Method	AAT/GAP
Start	1582	End	1697
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	1582..1697		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55571	Strand	+
Start	1582	End	2504
Name	OJ990625_04.0228.C29.o1.tw	Method	TBLASTX:Wheat
Start	1934	End	2334
GI	none	Score	433
Exons	1934..2257, 1935..2228, 2216..2272, 2216..2278, 2217..2285, 2296..2334		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55571	Strand	+
Start	1582	End	2504
Name	OJ990625_04.0228.C29.o1.tm	Method	TBLASTX:Maize
Start	1962	End	2504
GI	none	Score	626
Exons	1962..1997, 1989..2417, 1993..2196, 1994..2419, 1995..2420, 2269..2421, 2421..2504, 2422..2502, 2423..2503		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55572	Strand	
Start	2585	End	2871
Name	OJ990625_04.0228.C29.o5.tm	Method	TBLASTX:Maize
Start	2585	End	2871
GI	none	Score	97
Exons	2585..2680, 2594..2680, 2595..2681, 2595..2684, 2596..2685, 2675..2770, 2680..2871, 2683..2871		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55573	Strand	
Start	2872	End	3485
Name	OJ990625_04.0228.C29.o3.tm	Method	TBLASTX:Maize
Start	2872	End	3312
GI	none	Score	74
Exons	2872..2928, 2872..2967, 2876..3049, 2950..3033, 2998..3063, 2998..3048, 3031..3105, 3038..3112, 3050..3109, 3105..3158, 3106..3156, 3158..3301, 3159..3302, 3160..3309, 3160..3312		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55573	Strand	
Start	2872	End	3485

Name	OJ990625_04.0228.C29.o2.ts	Method	TBLASTX:Soybean
Start	3144	End	3483
GI	none	Score	193
Exons	3144..3323, 3148..3324, 3156..3314, 3400..3423, 3401..3427, 3422..3478, 3435..3479, 3442..3483		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55573	Strand	
Start	2872	End	3485
Name	OJ990625_04.0228.C29.o2.tc	Method	TBLASTX:Cress
Start	3153	End	3485
GI	none	Score	192
Exons	3153..3329, 3153..3314, 3163..3360, 3427..3483, 3432..3485		

Seq. No.	26829	Seq. ID	OJ990625_04.0228.C29
Gene No.	55573	Strand	
Start	2872	End	3485
Name	OJ990625_04.0228.C29.o6.tm	Method	TBLASTX:Maize
Start	3317	End	3485
GI	none	Score	203
Exons	3317..3484, 3321..3485		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55574	Strand	-
Start	1400	End	2206
Name	OJ990625_04.0228.C30.o3.tm	Method	TBLASTX:Maize
Start	1	End	319
GI	none	Score	49
Exons	1..117, 2..31, 3..317, 3..317, 71..319		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55574	Strand	-
Start	1400	End	2206
Name	OJ990625_04.0228.C30.o3.tc	Method	TBLASTX:Cress
Start	2	End	328
GI	none	Score	432
Exons	2..325, 3..326, 71..328		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55574	Strand	-
Start	1400	End	2206
Name	OJ990625_04.0228.C30.o4.ts	Method	TBLASTX:Soybean
Start	188	End	1178
GI	none	Score	187
Exons	188..298, 188..304, 190..306, 1012..1137, 1022..1177, 1023..1178		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55574	Strand	-
Start	1400	End	2206
Name	OJ990625_04.0228.C30.o4.tm	Method	TBLASTX:Maize
Start	659	End	1002
GI	none	Score	85
Exons	659..709, 661..738, 662..745, 680..742, 699..749, 722..847, 735..851, 738..845, 739..858, 775..897, 847..1002, 847..999		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55574	Strand	-

Start	1400	End	2206
Name	OJ990625_04.0228.C30.o5.tc	Method	TBLASTX:Cress
Start	796	End	1127
GI	none	Score	51
Exons	796..834, 801..839, 822..893, 823..897, 853..897, 946..1011, 955..1008, 956..1009, 960..1010, 983..1120, 987..1127, 999..1127		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55574	Strand	-
Start	1400	End	2206
Name	OJ990625_04.0228.C30.o1.tm	Method	TBLASTX:Maize
Start	1057	End	2187
GI	none	Score	162
Exons	1057..1203, 1064..1204, 1068..1220, 1071..1208, 1138..1209, 1248..1328, 1248..1328, 1249..1329, 1250..1330, 1311..1382, 1324..1377, 1325..1381, 1366..1446, 1379..1483, 1380..1469, 1461..1511, 1461..1508, 1524..1553, 1525..1554, 1549..1665, 1555..1671, 1557..1685, 1647..1760, 1660..1737, 1700..1744, 1707..2186, 1730..2185, 1735..2187, 1852..2187		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55574	Strand	-
Start	1400	End	2206
Name	OJ990625_04.0228.C30.o1.gp	Method	AAT/GAP
Start	1400	End	1658
GI	uC-osflM202088b07a1	Score	514
Exons	1400..1658		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55574	Strand	-
Start	1400	End	2206
Name	OJ990625_04.0228.C30.o1.ts	Method	TBLASTX:Soybean
Start	1636	End	2054
GI	none	Score	45
Exons	1636..1665, 1718..2047, 1718..2050, 1719..2054, 1737..2054		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55574	Strand	-
Start	1400	End	2206
Name	OJ990625_04.0228.C30.o2.tc	Method	TBLASTX:Cress
Start	1636	End	2004
GI	none	Score	45
Exons	1636..1665, 1659..1742, 1737..2003, 1737..2003, 1852..2004		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55574	Strand	-
Start	1400	End	2206
Name	OJ990625_04.0228.C30.o4.tc	Method	TBLASTX:Cress
Start	2005	End	2206
GI	none	Score	164
Exons	2005..2157, 2006..2206, 2007..2204		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55575	Strand	
Start	2207	End	3010

Name	OJ990625_04.0228.C30.o1.tc	Method	TBLASTX:Cress
Start	2207	End	3010
GI	none	Score	1309
Exons	2207..3010, 2208..3008		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55575	Strand	
Start	2207	End	3010
Name	OJ990625_04.0228.C30.o3.ts	Method	TBLASTX:Soybean
Start	2215	End	2447
GI	none	Score	324
Exons	2215..2439, 2217..2447, 2219..2446		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55575	Strand	
Start	2207	End	3010
Name	OJ990625_04.0228.C30.o2.tm	Method	TBLASTX:Maize
Start	2387	End	2902
GI	none	Score	302
Exons	2387..2584, 2387..2899, 2389..2661, 2418..2900, 2418..2900, 2639..2902		

Seq. No.	26830	Seq. ID	OJ990625_04.0228.C30
Gene No.	55575	Strand	
Start	2207	End	3010
Name	OJ990625_04.0228.C30.o2.ts	Method	TBLASTX:Soybean
Start	2682	End	2959
GI	none	Score	489
Exons	2682..2957, 2696..2959, 2905..2958		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55576	Strand	+
Start	861	End	1291
Name	OJ990625_04.0228.C31.o1.gp	Method	AAT/GAP
Start	861	End	1291
GI	uC-osflcyp021g10b1	Score	766
Exons	861..1291		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55577	Strand	+
Start	5669	End	6214
Name	OJ990625_04.0228.C31.o4.gp	Method	AAT/GAP
Start	5669	End	6214
GI	2135_1.R1084	Score	1072
Exons	5669..6214		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55578	Strand	+
Start	6252	End	7291

Name	OJ990625_04.0228.C31.o5.gp	Method	AAT/GAP
Start	6252	End	7291
GI	2721_1.R1084	Score	1977
Exons	6252..7291		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55579	Strand	-
Start	3528	End	3944
Name	OJ990625_04.0228.C31.o2.gp	Method	AAT/GAP
Start	3528	End	3944
GI	LIB3431-040-P1-K2-C1	Score	734
Exons	3528..3944		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55580	Strand	-
Start	4512	End	5058
Name	OJ990625_04.0228.C31.o3.gp	Method	AAT/GAP
Start	4512	End	5058
GI	5005311	Score	1047
Exons	4512..5058		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55581	Strand	-
Start	7956	End	8326
Name	OJ990625_04.0228.C31.o6.gp	Method	AAT/GAP
Start	7956	End	8326
GI	LIB3477-011-P1-K1-C10	Score	734
Exons	7956..8326		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o1.tm	Method	TBLASTX:Maize
Start	22	End	2748
GI	none	Score	145
Exons	22..165, 49..147, 887..994, 904..999, 905..985, 909..989, 964..1047, 965..2497, 975..1328, 1097..2509, 1285..2538,		

2034..2534, 2532..2588, 2536..2589, 2543..2590, 2622..2648,
2632..2649, 2650..2748, 2651..2734

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o3.tc	Method	TBLASTX:Cress
Start	22	End	2371
GI	none	Score	142
Exons	22..153, 49..147, 1822..2202, 1823..2203, 1825..2205, 2034..2210, 2204..2371, 2205..2366, 2206..2370		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o1.ts	Method	TBLASTX:Soybean
Start	22	End	2766
GI	none	Score	145
Exons	22..165, 58..147, 177..269, 1250..2497, 1250..2497, 1285..2547, 2034..2546, 2620..2766, 2658..2699, 2669..2734		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o11.tc	Method	TBLASTX:Cress
Start	156	End	344
GI	none	Score	324
Exons	156..344, 156..341, 157..342		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o5.tc	Method	TBLASTX:Cress
Start	344	End	741
GI	none	Score	716
Exons	344..733, 344..733, 346..741, 346..741		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o11.tm	Method	TBLASTX:Maize
Start	348	End	495
GI	none	Score	168
Exons	348..494, 348..494, 349..495, 349..495		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o6.ts	Method	TBLASTX:Soybean
Start	513	End	762
GI	none	Score	130
Exons	513..611, 514..618, 514..762, 515..733, 667..762		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o5.tm	Method	TBLASTX:Maize

Start	558	End	886
GI	none	Score	216
Exons	558..731, 559..885, 560..886, 560..886		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o4.ts	Method	TBLASTX:Soybean
Start	765	End	1250
GI	none	Score	189
Exons	765..962, 773..1042, 774..962, 775..1047, 776..1249, 990..1250, 999..1052, 1095..1247, 1096..1248, 1097..1249		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o8.tc	Method	TBLASTX:Cress
Start	874	End	1284
GI	none	Score	614
Exons	874..1047, 875..1282, 879..1052, 880..1284, 1096..1248, 1097..1282		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o4.tc	Method	TBLASTX:Cress
Start	1289	End	1821
GI	none	Score	833
Exons	1289..1819, 1298..1819, 1300..1821		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o9.tc	Method	TBLASTX:Cress
Start	2412	End	3094
GI	none	Score	130
Exons	2412..2522, 2413..2523, 2414..2497, 2638..2769, 2666..2734, 2783..2983, 2788..2985, 2788..2982, 3011..3094, 3013..3093		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o10.tc	Method	TBLASTX:Cress
Start	3352	End	3985
GI	none	Score	92
Exons	3352..3423, 3353..3424, 3356..3424, 3363..3428, 3555..3791, 3556..3975, 3556..3984, 3557..3985, 3599..3985		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o5.ts	Method	TBLASTX:Soybean
Start	3555	End	3985
GI	none	Score	186
Exons	3555..3800, 3562..3984, 3562..3984, 3599..3985		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31

Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o13.tc	Method	TBLASTX:Cress
Start	4105	End	4245
GI	none	Score	197
Exons	4105..4245, 4106..4243		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o2.ts	Method	TBLASTX:Soybean
Start	4204	End	9881
GI	none	Score	78
Exons	4204..5103, 4205..4273, 4269..4424, 4271..4924, 4551..5114, 5119..5154, 5174..5674, 5176..5670, 5710..5751, 5715..5744, 5833..5850, 5935..6006, 5940..5999, 5941..6009, 6029..6076, 6031..6078, 6036..6071, 6037..6078, 6097..6168, 6100..6144, 6105..6188, 6137..6190, 6175..6228, 6176..6229, 6178..6225, 6221..6292, 6235..6294, 6235..6288, 6236..6289, 6282..6305, 6383..6556, 6385..6561, 6385..6561, 6386..6565, 6901..6969, 6990..7028, 6994..7029, 6995..7267, 7028..7135, 7041..7280, 7257..7325, 7350..7412, 8044..8139, 8045..8794, 8194..8793, 8978..9019, 9025..9477, 9030..9746, 9035..9745, 9052..9750, 9059..9748, 9858..9881		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o14.tc	Method	TBLASTX:Cress
Start	4328	End	4594
GI	none	Score	155
Exons	4328..4594, 4336..4593		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o2.tc	Method	TBLASTX:Cress
Start	4603	End	6502
GI	none	Score	344
Exons	4603..5100, 4604..4924, 4617..5114, 5167..5577, 5174..5578, 5204..5578, 6404..6502, 6404..6493, 6406..6501		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o10.tm	Method	TBLASTX:Maize
Start	4745	End	5058
GI	none	Score	48
Exons	4745..4816, 4747..5058, 4877..4921		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o2.tm	Method	TBLASTX:Maize
Start	5102	End	6768
GI	none	Score	62
Exons	5102..5164, 5110..5169, 5116..5169, 5164..5445, 5164..5685,		

5174..5704, 5672..5758, 5707..5922, 5715..5861, 5761..5886,
5844..5945, 5860..5973, 5866..5976, 5929..6006, 5933..6013,
5937..6014, 6002..6097, 6006..6110, 6007..6111, 6007..6153,
6093..6224, 6093..6230, 6103..6231, 6115..6231, 6140..6232,
6232..6357, 6232..6345, 6234..6347, 6315..6611, 6316..6618,
6317..6619, 6317..6631, 6604..6768, 6644..6676, 6667..6768

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o1.tw	Method	TBLASTX:Wheat
Start	5246	End	5686
GI	none	Score	575
Exons	5246..5596, 5247..5594, 5248..5595, 5255..5599, 5592..5672, 5600..5686, 5600..5668, 5601..5669, 5602..5685		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o3.tw	Method	TBLASTX:Wheat
Start	5908	End	6384
GI	none	Score	43
Exons	5908..6012, 5910..5945, 5917..5949, 5935..6021, 5939..6025, 5942..6022, 6022..6105, 6024..6104, 6024..6134, 6025..6105, 6108..6230, 6108..6230, 6109..6231, 6109..6231, 6221..6268, 6230..6268, 6265..6384, 6265..6384		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o3.tm	Method	TBLASTX:Maize
Start	6771	End	7705
GI	none	Score	111
Exons	6771..6854, 6771..6869, 6773..6856, 6853..6897, 6855..6899, 6883..7032, 6911..7027, 6956..7276, 6990..7274, 7201..7287, 7266..7307, 7268..7315, 7268..7324, 7269..7325, 7311..7352, 7314..7352, 7356..7427, 7357..7425, 7357..7428, 7361..7453, 7427..7489, 7428..7499, 7430..7528, 7481..7561, 7537..7668, 7537..7572, 7538..7705, 7661..7690		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o12.tc	Method	TBLASTX:Cress
Start	6995	End	7301
GI	none	Score	252
Exons	6995..7300, 6996..7028, 7011..7301		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o9.tm	Method	TBLASTX:Maize
Start	7792	End	8135
GI	none	Score	37
Exons	7792..7815, 7794..7817, 7819..7860, 7820..7861, 7848..8018, 7860..7883, 7864..8001, 7877..8020, 7892..8026, 8013..8135, 8013..8129, 8014..8130, 8018..8134		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o8.tm	Method	TBLASTX:Maize
Start	8136	End	8398
GI	none	Score	355
Exons	8136..8396, 8136..8363, 8138..8398, 8192..8398		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o6.tc	Method	TBLASTX:Cress
Start	8293	End	8805
GI	none	Score	577
Exons	8293..8754, 8294..8752, 8318..8767, 8755..8805, 8757..8798		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o7.gp	Method	AAT/GAP
Start	8367	End	8909
GI	42732_1.R1084	Score	1070
Exons	8367..8909		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o6.tm	Method	TBLASTX:Maize
Start	9257	End	9541
GI	none	Score	452
Exons	9257..9541, 9257..9541		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o7.tc	Method	TBLASTX:Cress
Start	9261	End	9883
GI	none	Score	118
Exons	9261..9374, 9263..9376, 9371..9745, 9372..9746, 9374..9748, 9863..9883, 9865..9882		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o4.tm	Method	TBLASTX:Maize
Start	9542	End	10202
GI	none	Score	47
Exons	9542..9568, 9542..9568, 9563..9748, 9563..9745, 9582..9758, 9797..9880, 9798..9890, 9820..9882, 9852..9896, 9882..9947, 9882..9947, 9955..9996, 9955..9990, 9994..10032, 10001..10033, 10002..10034, 10029..10202, 10031..10201		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o3.ts	Method	TBLASTX:Soybean
Start	10018	End	11093
GI	none	Score	62
Exons	10018..10125, 10078..10137, 10082..10150, 10082..10150, 10095..10157, 10136..10267, 10137..10928, 10140..10268, 10204..10929, 10552..10929, 10938..11072, 10938..11093		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o2.tw	Method	TBLASTX:Wheat
Start	10038	End	10446
GI	none	Score	493
Exons	10038..10403, 10038..10442, 10039..10446		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o1.tc	Method	TBLASTX:Cress
Start	10083	End	11228
GI	none	Score	58
Exons	10083..10139, 10084..10137, 10178..10276, 10197..10400, 10197..10928, 10204..10929, 10941..11015, 10951..11007, 11010..11066, 11019..11063, 11128..11220, 11172..11228		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o7.tm	Method	TBLASTX:Maize
Start	10203	End	10497
GI	none	Score	256
Exons	10203..10403, 10203..10460, 10204..10461, 10204..10461, 10408..10497, 10442..10489		

Seq. No.	26831	Seq. ID	OJ990625_04.0228.C31
Gene No.	55582	Strand	-
Start	8367	End	11228
Name	OJ990625_04.0228.C31.o12.tm	Method	TBLASTX:Maize
Start	10686	End	10823
GI	none	Score	212
Exons	10686..10823, 10686..10823		

Seq. No.	26832	Seq. ID	OJ990625_04.0228.C32
Gene No.	55583	Strand	-
Start	1	End	666
Name	OJ990625_04.0228.C32.o1.gp	Method	AAT/GAP
Start	1	End	666
GI	688_1.R1084	Score	1290
Exons	1..666		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	26832	Seq. ID	OJ990625_04.0228.C32

Gene No.	55584	Strand	-
Start	698	End	867
Name	OJ990625_04.0228.C32.o2.tc	Method	TBLASTX:Cress
Start	1	End	232
GI	none	Score	87
Exons	1..48, 2..64, 2..64, 3..65, 3..65, 32..97, 33..119, 52..141, 91..156, 92..172, 93..158, 100..162, 157..231, 158..232		

Seq. No.	26832	Seq. ID	OJ990625_04.0228.C32
Gene No.	55584	Strand	-
Start	698	End	867
Name	OJ990625_04.0228.C32.o2.ts	Method	TBLASTX:Soybean
Start	1	End	244
GI	none	Score	91
Exons	1..63, 2..64, 32..97, 33..119, 34..99, 52..141, 91..156, 92..172, 93..158, 100..162, 114..242, 157..243, 158..244, 158..244		

Seq. No.	26832	Seq. ID	OJ990625_04.0228.C32
Gene No.	55584	Strand	-
Start	698	End	867
Name	OJ990625_04.0228.C32.o1.tc	Method	TBLASTX:Cress
Start	343	End	704
GI	none	Score	40
Exons	343..378, 349..378, 350..382, 354..467, 366..476, 379..477, 379..492, 392..493, 440..577, 496..576, 528..584, 536..577, 579..704, 579..704		

Seq. No.	26832	Seq. ID	OJ990625_04.0228.C32
Gene No.	55584	Strand	-
Start	698	End	867
Name	OJ990625_04.0228.C32.o1.ts	Method	TBLASTX:Soybean
Start	496	End	867
GI	none	Score	133
Exons	496..612, 497..577, 528..584, 591..620, 603..656, 616..669, 617..670, 659..751, 662..739, 667..741, 752..805, 753..803, 754..816, 754..804, 816..866, 841..867		

Seq. No.	26832	Seq. ID	OJ990625_04.0228.C32
Gene No.	55584	Strand	-
Start	698	End	867
Name	OJ990625_04.0228.C32.o2.gp	Method	AAT/GAP
Start	698	End	867
GI	2669_1.R1084	Score	283
Exons	698..867		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	26832	Seq. ID	OJ990625_04.0228.C32
Gene No.	55584	Strand	-
Start	698	End	867
Name	OJ990625_04.0228.C32.o1.tm	Method	TBLASTX:Maize
Start	704	End	867
GI	none	Score	262
Exons	704..865, 705..866, 716..865, 718..867		

Seq. No.	26832	Seq. ID	OJ990625_04.0228.C32
Gene No.	55584	Strand	-
Start	698	End	867
Name	OJ990625_04.0228.C32.o3.tc	Method	TBLASTX:Cress
Start	716	End	867
GI	none	Score	210
Exons	716..865, 716..865, 718..867		

Seq. No.	26833	Seq. ID	OJ990625_04.0228.C33
Gene No.	55585	Strand	
Start	2	End	619
Name	OJ990625_04.0228.C33.o1.tc	Method	TBLASTX:Cress
Start	2	End	364
GI	none	Score	52
Exons	2..61, 3..35, 18..212, 36..215, 37..213, 248..298, 249..299, 287..361, 308..364		

Seq. No.	26833	Seq. ID	OJ990625_04.0228.C33
Gene No.	55585	Strand	
Start	2	End	619
Name	OJ990625_04.0228.C33.o1.tm	Method	TBLASTX:Maize
Start	115	End	605
GI	none	Score	38
Exons	115..186, 325..552, 325..534, 327..551, 530..604, 531..605, 532..603, 533..604		

Seq. No.	26833	Seq. ID	OJ990625_04.0228.C33
Gene No.	55585	Strand	
Start	2	End	619
Name	OJ990625_04.0228.C33.o1.ts	Method	TBLASTX:Soybean
Start	296	End	619
GI	none	Score	78
Exons	296..346, 296..346, 298..348, 441..530, 443..532, 446..532, 447..533, 536..619, 537..617		

Seq. No.	26834	Seq. ID	OJ991015_03.0302.C1
Gene No.	55586	Strand	+
Start	1	End	406
Name	OJ991015_03.0302.C1.o1.gp	Method	AAT/GAP
Start	1	End	406
GI	LIB3477-003-P1-K1-E9	Score	173
Exons	1..98, 379..406		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	26835	Seq. ID	OJ991015_03.0302.C2
Gene No.	55587	Strand	+
Start	1	End	228
Name	OJ991015_03.0302.C2.o1.np	Method	AAT/NAP
Start	1	End	228
GI	6016932	Score	65
Exons	1..228		
GI Descrip.	(AL031667) dJ620E11.1a (novel Helicase C-terminal domain and SNF2 N-terminal domains containing protein, similar to KIAA0308) [Homo sapiens]		

Seq. No.	26835	Seq. ID	OJ991015_03.0302.C2
Gene No.	55587	Strand	+
Start	1	End	228
Name	OJ991015_03.0302.C2.o1.gs	Method	GENSCAN
Start	59	End	228
GI	none	Score	.71
Exons	59..228		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55588	Strand	+
Start	52	End	2902
Name	OJ991015_03.0302.C3.o2.np	Method	AAT/NAP
Start	52	End	2902
GI	3582328	Score	676
Exons	52..130, 1463..2902		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55588	Strand	+
Start	52	End	2902
Name	OJ991015_03.0302.C3.o1.gs	Method	GENSCAN
Start	54	End	805
GI	none	Score	.99
Exons	54..81, 168..805		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o2.tc	Method	TBLASTX:Cress
Start	1450	End	2502
GI	none	Score	139
Exons	1450..1737, 1459..1812, 1542..1625, 1651..1818, 1822..1911, 1825..2010, 1843..2004, 1861..2403, 1921..2097, 1953..2132, 1984..2127, 2095..2400, 2110..2208, 2182..2391, 2244..2402, 2416..2502		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o2.tm	Method	TBLASTX:Maize
Start	1450	End	2868
GI	none	Score	115
Exons	1450..1719, 1459..1719, 1486..1686, 1609..1812, 1651..1812, 1825..1926, 1930..2100, 1930..2208, 1943..2098, 1981..2163, 2014..2400, 2101..2451, 2110..2502, 2175..2501, 2239..2376, 2404..2610, 2463..2687, 2512..2688, 2737..2868		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o1.tw	Method	TBLASTX:Wheat
Start	1459	End	2508
GI	none	Score	82
Exons	1459..1659, 1544..1618, 1548..1619, 1576..1719, 1669..1812, 1826..1894, 1852..1944, 1861..1995, 1918..2037, 1953..2339, 1956..2339, 1957..2340, 2257..2508		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o2.ts	Method	TBLASTX:Soybean
Start	1594	End	2634
GI	none	Score	66
Exons	1594..1719, 1978..2196, 2272..2634, 2295..2588		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o3.tc	Method	TBLASTX:Cress
Start	2530	End	2862
GI	none	Score	151
Exons	2530..2682, 2535..2681, 2737..2862, 2757..2861		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o1.gp	Method	AAT/GAP
Start	3798	End	4135
GI	487298	Score	543
Exons	3798..4135		
GI Descrip.	487298/dbj|D29997|RICEN265 0.0e+00 Rice mRNA EN26, partial sequence		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o1.ts	Method	TBLASTX:Soybean
Start	3868	End	4330
GI	none	Score	53
Exons	3868..3909, 3958..4014, 3976..4023, 4027..4329, 4046..4330		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o3.gs	Method	GENSCAN
Start	3868	End	4281
GI	none	Score	.88
Exons	3868..4281		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o3.np	Method	AAT/NAP
Start	3871	End	4336
GI	4704824	Score	528
Exons	3871..4336		
GI Descrip.	(AF139377) stearoyl acyl carrier protein desaturase L1dd3A20 [Lupinus luteus]		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o1.tm	Method	TBLASTX:Maize
Start	3877	End	4332

GI	none	Score	178
Exons	3877..3909, 3976..4026, 4030..4332, 4043..4330		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o1.tc	Method	TBLASTX:Cress
Start	3976	End	4336
GI	none	Score	153
Exons	3976..4026, 4030..4332, 4043..4336		

Seq. No.	26836	Seq. ID	OJ991015_03.0302.C3
Gene No.	55589	Strand	-
Start	3868	End	4336
Name	OJ991015_03.0302.C3.o2.tw	Method	TBLASTX:Wheat
Start	3976	End	4329
GI	none	Score	162
Exons	3976..4026, 4030..4329, 4043..4327, 4180..4329		

Seq. No.	26837	Seq. ID	OJ991015_03.0302.C4
Gene No.	55590	Strand	-
Start	1	End	3882
Name	OJ991015_03.0302.C4.o1.np	Method	AAT/NAP
Start	1	End	1340
GI	3355632	Score	507
Exons	1..386, 1167..1340		
GI Descrip.	(AJ006957) stearoyl-acyl carrier protein desaturase [Linum usitatissimum]		

Seq. No.	26837	Seq. ID	OJ991015_03.0302.C4
Gene No.	55590	Strand	-
Start	1	End	3882
Name	OJ991015_03.0302.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	453
GI	none	Score	460
Exons	1..378, 1..57, 3..377, 433..453		

Seq. No.	26837	Seq. ID	OJ991015_03.0302.C4
Gene No.	55590	Strand	-
Start	1	End	3882
Name	OJ991015_03.0302.C4.o1.tc	Method	TBLASTX:Cress
Start	3	End	378
GI	none	Score	231
Exons	3..377, 7..378		

Seq. No.	26837	Seq. ID	OJ991015_03.0302.C4
Gene No.	55590	Strand	-
Start	1	End	3882
Name	OJ991015_03.0302.C4.o1.ts	Method	TBLASTX:Soybean
Start	3	End	377
GI	none	Score	234
Exons	3..347, 7..342, 330..377		

Seq. No.	26837	Seq. ID	OJ991015_03.0302.C4
Gene No.	55590	Strand	-
Start	1	End	3882
Name	OJ991015_03.0302.C4.o1.gs	Method	GENSCAN

Start	10	End	509
GI	none	Score	1
Exons	10..509		

Seq. No.	26837	Seq. ID	OJ991015_03.0302.C4
Gene No.	55590	Strand	-
Start	1	End	3882
Name	OJ991015_03.0302.C4.o1.gp	Method	AAT/GAP
Start	106	End	573
GI	52838_1.R1084	Score	902
Exons	106..573		
GI Descrip.	'3355632/emb|CAA07349| 2.0e-27 (AJ006957) stearoyl-acyl carrier protein desaturase [Linum usitatissimum]'		

Seq. No.	26837	Seq. ID	OJ991015_03.0302.C4
Gene No.	55590	Strand	-
Start	1	End	3882
Name	OJ991015_03.0302.C4.o2.gs	Method	GENSCAN
Start	784	End	3882
GI	none	Score	.69
Exons	784..1029, 2082..2198, 3871..3882		

Seq. No.	26838	Seq. ID	OJ991015_03.0302.C5
Gene No.	55591	Strand	+
Start	250	End	4173
Name	OJ991015_03.0302.C5.o2.np	Method	AAT/NAP
Start	250	End	4173
GI	4587554	Score	152
Exons	250..375, 1478..1874, 4113..4173		
GI Descrip.	(AC006577) Similar to gb|AJ005701 Na/Ca,K-exchanger from Caenorhabditis elegans. ESTs gb|T04173 and gb|AA585918 come from this gene. [Arabidopsis thaliana]		

Seq. No.	26838	Seq. ID	OJ991015_03.0302.C5
Gene No.	55592	Strand	+
Start	4288	End	5093
Name	OJ991015_03.0302.C5.o3.np	Method	AAT/NAP
Start	4288	End	5093
GI	6862912	Score	493
Exons	4288..4864, 5047..5093		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	26838	Seq. ID	OJ991015_03.0302.C5
Gene No.	55593	Strand	-
Start	737	End	2045
Name	OJ991015_03.0302.C5.o1.np	Method	AAT/NAP
Start	737	End	2045
GI	5777617	Score	102
Exons	737..846, 1955..2045		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	26838	Seq. ID	OJ991015_03.0302.C5
Gene No.	55594	Strand	-
Start	2345	End	2658
Name	OJ991015_03.0302.C5.o1.gp	Method	AAT/GAP
Start	2345	End	2658
GI	287036	Score	528

Exons	2345..2658		
Seq. No.	26838	Seq. ID	OJ991015_03.0302.C5
Gene No.	55595	Strand	
Start	4300	End	4869
Name	OJ991015_03.0302.C5.o1.ts	Method	TBLASTX:Soybean
Start	4300	End	4692
GI	none	Score	532
Exons	4300..4692, 4317..4664		
Seq. No.	26838	Seq. ID	OJ991015_03.0302.C5
Gene No.	55595	Strand	
Start	4300	End	4869
Name	OJ991015_03.0302.C5.o2.tm	Method	TBLASTX:Maize
Start	4306	End	4578
GI	none	Score	274
Exons	4306..4578, 4311..4574		
Seq. No.	26838	Seq. ID	OJ991015_03.0302.C5
Gene No.	55595	Strand	
Start	4300	End	4869
Name	OJ991015_03.0302.C5.o1.tc	Method	TBLASTX:Cress
Start	4312	End	4845
GI	none	Score	292
Exons	4312..4611, 4320..4604, 4738..4845		
Seq. No.	26838	Seq. ID	OJ991015_03.0302.C5
Gene No.	55595	Strand	
Start	4300	End	4869
Name	OJ991015_03.0302.C5.o1.tw	Method	TBLASTX:Wheat
Start	4432	End	4842
GI	none	Score	191
Exons	4432..4626, 4432..4578, 4660..4722, 4798..4842		
Seq. No.	26838	Seq. ID	OJ991015_03.0302.C5
Gene No.	55595	Strand	
Start	4300	End	4869
Name	OJ991015_03.0302.C5.o1.tm	Method	TBLASTX:Maize
Start	4615	End	4869
GI	none	Score	345
Exons	4615..4863, 4620..4865, 4684..4869		
Seq. No.	26839	Seq. ID	OJ991015_03.0302.C6
Gene No.	55596	Strand	+
Start	1	End	490
Name	OJ991015_03.0302.C6.o1.gp	Method	AAT/GAP
Start	1	End	426
GI	uC-osflM202123g02b1	Score	478
Exons	1..37, 211..426		
GI Descrip.	'6094303/sp|P56707|SMTA_ASTBI 1.0e-22 SELENOCYSTEINE METHYLTRANSFERASE (SECYS-METHYLTRANSFERASE) (SECYS-MT) >gi_4006848_emb_CAA10368_ (AJ131433) selenocysteine methyltransferase [Astragalus bisulcatus]'		
Seq. No.	26839	Seq. ID	OJ991015_03.0302.C6
Gene No.	55596	Strand	+
Start	1	End	490

Name	OJ991015_03.0302.C6.o1.tc	Method	TBLASTX:Cress
Start	3	End	483
GI	none	Score	58
Exons	3..35, 215..478, 229..483		

Seq. No.	26839	Seq. ID	OJ991015_03.0302.C6
Gene No.	55596	Strand	+
Start	1	End	490
Name	OJ991015_03.0302.C6.o2.tm	Method	TBLASTX:Maize
Start	3	End	349
GI	none	Score	68
Exons	3..35, 123..137, 201..347, 206..349, 209..346		

Seq. No.	26839	Seq. ID	OJ991015_03.0302.C6
Gene No.	55596	Strand	+
Start	1	End	490
Name	OJ991015_03.0302.C6.o1.ts	Method	TBLASTX:Soybean
Start	206	End	481
GI	none	Score	250
Exons	206..481, 209..460, 304..477		

Seq. No.	26839	Seq. ID	OJ991015_03.0302.C6
Gene No.	55596	Strand	+
Start	1	End	490
Name	OJ991015_03.0302.C6.o1.gs	Method	GENSCAN
Start	211	End	488
GI	none	Score	.83
Exons	211..488		

Seq. No.	26839	Seq. ID	OJ991015_03.0302.C6
Gene No.	55596	Strand	+
Start	1	End	490
Name	OJ991015_03.0302.C6.o1.np	Method	AAT/NAP
Start	292	End	484
GI	3746073	Score	117
Exons	292..484		
GI Descrip.	(AC005311) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26839	Seq. ID	OJ991015_03.0302.C6
Gene No.	55596	Strand	+
Start	1	End	490
Name	OJ991015_03.0302.C6.o1.tm	Method	TBLASTX:Maize
Start	349	End	490
GI	none	Score	230
Exons	349..489, 350..490, 353..490		

Seq. No.	26840	Seq. ID	OJ991015_03.0302.C9
Gene No.	55597	Strand	-
Start	944	End	1224
Name	OJ991015_03.0302.C9.o1.gs	Method	GENSCAN
Start	944	End	1224
GI	none	Score	.7
Exons	944..1023, 1149..1224		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55598	Strand	+
Start	2923	End	3349

Name	OJ991015_03.0302.C10.o1.gs	Method	GENSCAN
Start	2923	End	3349
GI	none	Score	.59
Exons	2923..3034, 3249..3349		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55599	Strand	+
Start	4033	End	5042
Name	OJ991015_03.0302.C10.o2.gs	Method	GENSCAN
Start	4033	End	5042
GI	none	Score	.61
Exons	4033..4129, 4212..4397, 4459..4784, 4986..5042		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55600	Strand	+
Start	10867	End	11047
Name	OJ991015_03.0302.C10.o3.gp	Method	AAT/GAP
Start	10867	End	11047
GI	uC-osflcyp021f01b1	Score	243
Exons	10867..11047		
GI Descrip.	'5852077/emb|AL117264.1|OSB6015 1.0e-31 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone: b6015'		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55601	Strand	-
Start	5276	End	9676
Name	OJ991015_03.0302.C10.o1.gp	Method	AAT/GAP
Start	5276	End	6207
GI	98607_1.R1084	Score	1794
Exons	5276..6207		
GI Descrip.	'1076290/pir||S51169 2.0e-30 amino acid transporter AAP4 - Arabidopsis thaliana >gi_608671_emb_CAA54631_ (X77500) amino acid transporter [Arabidopsis thaliana]'		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55601	Strand	-
Start	5276	End	9676
Name	OJ991015_03.0302.C10.o3.gs	Method	GENSCAN
Start	5625	End	9567
GI	none	Score	.67
Exons	5625..6633, 6727..6847, 6913..7146, 7254..7355, 9504..9567		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55601	Strand	-
Start	5276	End	9676
Name	OJ991015_03.0302.C10.o1.np	Method	AAT/NAP
Start	5628	End	9676
GI	4138679	Score	1176
Exons	5628..6633, 6727..6820, 6913..7150, 9505..9676		
GI Descrip.	(Y09591) amino acid transporter [Vicia faba]		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55601	Strand	-
Start	5276	End	9676
Name	OJ991015_03.0302.C10.o2.gp	Method	AAT/GAP
Start	6768	End	9621
GI	5607375	Score	754

Exons	6768..6820, 6913..7146, 9504..9621		
GI Descrip.	1076290/pir||S51169 2.0e-30 amino acid transporter AAP4 - Arabidopsis thaliana >gi_608671_emb_CAA54631_ (X77500) amino acid transporter [Arabidopsis thaliana]		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o1.tm	Method	TBLASTX:Maize
Start	5619	End	6317
GI	none	Score	147
Exons	5619..5948, 5628..5759, 5629..5949, 5949..6056, 5949..6317, 5950..6315		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o1.ts	Method	TBLASTX:Soybean
Start	5631	End	7151
GI	none	Score	107
Exons	5631..5921, 5737..5922, 5961..6125, 6120..6365, 6124..6525, 6390..6632, 6753..6833, 6911..7150, 6912..7151		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o1.tc	Method	TBLASTX:Cress
Start	5733	End	7151
GI	none	Score	256
Exons	5733..6125, 5743..6126, 6120..6380, 6121..6372, 6361..6561, 6372..6632, 6753..6833, 6911..7150, 6912..7151		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o1.tw	Method	TBLASTX:Wheat
Start	5751	End	6126
GI	none	Score	136
Exons	5751..5921, 5776..5919, 5925..6125, 5967..6125, 5968..6126		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o3.tm	Method	TBLASTX:Maize
Start	6459	End	7154
GI	none	Score	62
Exons	6459..6647, 6460..6648, 6753..6833, 6911..7150, 6912..7154		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o4.gs	Method	GENSCAN
Start	10496	End	14294
GI	none	Score	.4
Exons	10496..10665, 10985..11016, 11519..11907, 13572..13778, 14061..14294		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o4.gp	Method	AAT/GAP
Start	11080	End	11718
GI	57195_1.R1084	Score	1202
Exons	11080..11718		
GI Descrip.	'2244866/emb|CAB10288.1| 1.0e-28 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o3.tc	Method	TBLASTX:Cress
Start	11350	End	11586
GI	none	Score	84
Exons	11350..11586, 11396..11527		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o2.tm	Method	TBLASTX:Maize
Start	11353	End	14295
GI	none	Score	488
Exons	11353..11910, 11354..11908, 11683..11910, 14055..14294, 14065..14295		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o2.ts	Method	TBLASTX:Soybean
Start	11365	End	14291
GI	none	Score	72
Exons	11365..11595, 11399..11515, 11590..11910, 11747..11908, 14055..14180, 14065..14181, 14211..14291		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o2.np	Method	AAT/NAP
Start	11392	End	15803
GI	2244866	Score	659
Exons	11392..11907, 14061..14340, 15783..15803		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803
Name	OJ991015_03.0302.C10.o2.tc	Method	TBLASTX:Cress
Start	11686	End	14180
GI	none	Score	71
Exons	11686..11856, 11735..11809, 11839..11910, 11840..11908, 14055..14108, 14106..14180		

Seq. No.	26841	Seq. ID	OJ991015_03.0302.C10
Gene No.	55602	Strand	-
Start	10496	End	15803

Name	OJ991015_03.0302.C10.o2.tw	Method	TBLASTX:Wheat
Start	11765	End	14295
GI	none	Score	201
Exons	11765..11908, 11765..11908, 11767..11910, 11767..11910, 14058..14294, 14059..14295, 14134..14232		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55603	Strand	+
Start	4643	End	5230
Name	OJ991015_03.0302.C11.o2.gs	Method	GENSCAN
Start	4643	End	5230
GI	none	Score	.95
Exons	4643..5230		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55604	Strand	+
Start	5231	End	5566
Name	OJ991015_03.0302.C11.o3.gp	Method	AAT/GAP
Start	5231	End	5566
GI	4716463	Score	619
Exons	5231..5566		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55605	Strand	-
Start	1	End	5658
Name	OJ991015_03.0302.C11.o1.np	Method	AAT/NAP
Start	1	End	5658
GI	2244866	Score	665
Exons	1..33, 886..1503, 1648..2057, 5637..5658		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55605	Strand	-
Start	1	End	5658
Name	OJ991015_03.0302.C11.o1.gs	Method	GENSCAN
Start	901	End	1887
GI	none	Score	.87
Exons	901..1503, 1648..1887		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55605	Strand	-
Start	1	End	5658
Name	OJ991015_03.0302.C11.o2.gp	Method	AAT/GAP
Start	3323	End	3673
GI	2442369	Score	614
Exons	3323..3673		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55606	Strand	-
Start	6357	End	7928
Name	OJ991015_03.0302.C11.o1.tc	Method	TBLASTX:Cress
Start	920	End	1176
GI	none	Score	123
Exons	920..1144, 928..1137, 1129..1176		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55606	Strand	-

Start	6357	End	7928
Name	OJ991015_03.0302.C11.o1.tm	Method	TBLASTX:Maize
Start	934	End	1902
GI	none	Score	165
Exons	934..1137, 935..1129, 1117..1188, 1126..1191, 1130..1252, 1187..1504, 1204..1506, 1216..1506, 1650..1673, 1663..1902, 1676..1888		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55606	Strand	-
Start	6357	End	7928
Name	OJ991015_03.0302.C11.o1.ts	Method	TBLASTX:Soybean
Start	952	End	1884
GI	none	Score	88
Exons	952..1137, 986..1144, 1117..1185, 1130..1186, 1186..1506, 1205..1315, 1343..1516, 1477..1521, 1642..1683, 1672..1779, 1676..1774, 1804..1884		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55606	Strand	-
Start	6357	End	7928
Name	OJ991015_03.0302.C11.o2.tc	Method	TBLASTX:Cress
Start	1282	End	1506
GI	none	Score	73
Exons	1282..1452, 1331..1426, 1435..1506		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55606	Strand	-
Start	6357	End	7928
Name	OJ991015_03.0302.C11.o1.tw	Method	TBLASTX:Wheat
Start	1361	End	7791
GI	none	Score	218
Exons	1361..1504, 1363..1506, 1363..1506, 1672..1890, 1676..1891, 1709..1825, 7714..7791		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55606	Strand	-
Start	6357	End	7928
Name	OJ991015_03.0302.C11.o2.ts	Method	TBLASTX:Soybean
Start	4757	End	7928
GI	none	Score	69
Exons	4757..4819, 4850..5212, 4864..5004, 5050..5211, 7451..7492, 7574..7687, 7575..7682, 7766..7879, 7767..7880, 7890..7928		

Seq. No.	26842	Seq. ID	OJ991015_03.0302.C11
Gene No.	55606	Strand	-
Start	6357	End	7928
Name	OJ991015_03.0302.C11.o3.gs	Method	GENSCAN
Start	6357	End	6650
GI	none	Score	.8
Exons	6357..6650		

Seq. No.	26843	Seq. ID	OJ991015_03.0302.C12
Gene No.	55607	Strand	+
Start	1	End	1268
Name	OJ991015_03.0302.C12.o1.np	Method	AAT/NAP
Start	1	End	1268

GI	6723433	Score	1425
Exons	1..243, 417..1268		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		

Seq. No.	26843	Seq. ID	OJ991015_03.0302.C12
Gene No.	55607	Strand	+
Start	1	End	1268
Name	OJ991015_03.0302.C12.o1.gs	Method	GENSCAN
Start	102	End	1268
GI	none	Score	.45
Exons	102..243, 417..1268		

Seq. No.	26843	Seq. ID	OJ991015_03.0302.C12
Gene No.	55608	Strand	-
Start	2071	End	6279
Name	OJ991015_03.0302.C12.o2.tm	Method	TBLASTX:Maize
Start	76	End	500
GI	none	Score	260
Exons	76..246, 78..230, 81..251, 83..244, 415..489, 416..493, 416..496, 417..500, 429..497		

Seq. No.	26843	Seq. ID	OJ991015_03.0302.C12
Gene No.	55608	Strand	-
Start	2071	End	6279
Name	OJ991015_03.0302.C12.o1.ts	Method	TBLASTX:Soybean
Start	450	End	737
GI	none	Score	391
Exons	450..737, 450..734, 452..736		

Seq. No.	26843	Seq. ID	OJ991015_03.0302.C12
Gene No.	55608	Strand	-
Start	2071	End	6279
Name	OJ991015_03.0302.C12.o1.tm	Method	TBLASTX:Maize
Start	509	End	1281
GI	none	Score	1122
Exons	509..1246, 510..1256, 513..1253, 961..1281, 1190..1258		

Seq. No.	26843	Seq. ID	OJ991015_03.0302.C12
Gene No.	55608	Strand	-
Start	2071	End	6279
Name	OJ991015_03.0302.C12.o1.tc	Method	TBLASTX:Cress
Start	528	End	981
GI	none	Score	614
Exons	528..980, 528..977, 536..979, 844..981		

Seq. No.	26843	Seq. ID	OJ991015_03.0302.C12
Gene No.	55608	Strand	-
Start	2071	End	6279
Name	OJ991015_03.0302.C12.o2.ts	Method	TBLASTX:Soybean
Start	1083	End	1262
GI	none	Score	286
Exons	1083..1262, 1083..1256, 1085..1258		

Seq. No.	26843	Seq. ID	OJ991015_03.0302.C12
Gene No.	55608	Strand	-
Start	2071	End	6279
Name	OJ991015_03.0302.C12.o2.gs	Method	GENSCAN

Start	2071	End	5669
GI	none	Score	.79
Exons	2071..2745, 3009..3133, 3336..3375, 3800..4160, 4258..4363, 5009..5123, 5585..5669		

Seq. No.	26843	Seq. ID	OJ991015_03.0302.C12
Gene No.	55608	Strand	-
Start	2071	End	6279
Name	OJ991015_03.0302.C12.o3.ts	Method	TBLASTX:Soybean
Start	2514	End	2746
GI	none	Score	73
Exons	2514..2723, 2515..2745, 2516..2746, 2516..2746		

Seq. No.	26843	Seq. ID	OJ991015_03.0302.C12
Gene No.	55608	Strand	-
Start	2071	End	6279
Name	OJ991015_03.0302.C12.o2.np	Method	AAT/NAP
Start	4432	End	6279
GI	5852093	Score	71
Exons	4432..4462, 6138..6279		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	26844	Seq. ID	OJ991015_03.0302.C13
Gene No.	55609	Strand	+
Start	237	End	372
Name	OJ991015_03.0302.C13.o1.gs	Method	GENSCAN
Start	237	End	372
GI	none	Score	.49
Exons	237..372		

Seq. No.	26844	Seq. ID	OJ991015_03.0302.C13
Gene No.	55610	Strand	+
Start	2153	End	3266
Name	OJ991015_03.0302.C13.o1.np	Method	AAT/NAP
Start	1915	End	3266
GI	3540202	Score	122
Exons	1915..2019, 2114..2312, 3104..3266		
GI Descrip.	(AC004260) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26844	Seq. ID	OJ991015_03.0302.C13
Gene No.	55610	Strand	+
Start	2153	End	3266
Name	OJ991015_03.0302.C13.o2.gs	Method	GENSCAN
Start	2153	End	3251
GI	none	Score	.8
Exons	2153..2312, 3128..3251		

Seq. No.	26845	Seq. ID	OJ991015_03.0302.C14
Gene No.	55611	Strand	+
Start	68	End	965
Name	OJ991015_03.0302.C14.o1.gs	Method	GENSCAN
Start	68	End	965
GI	none	Score	.68
Exons	68..255, 337..421, 660..689, 861..965		

Seq. No.	26845	Seq. ID	OJ991015_03.0302.C14
Gene No.	55612	Strand	-

Start	1670	End	2106
Name	OJ991015_03.0302.C14.o2.gs	Method	GENSCAN
Start	1670	End	2106
GI	none	Score	.75
Exons	1670..1827, 1895..1927, 1998..2106		

Seq. No.	26846	Seq. ID	OJ991015_03.0302.C15
Gene No.	55613	Strand	+
Start	122	End	243
Name	OJ991015_03.0302.C15.o1.gs	Method	GENSCAN
Start	122	End	243
GI	none	Score	.84
Exons	122..243		

Seq. No.	26846	Seq. ID	OJ991015_03.0302.C15
Gene No.	55614	Strand	-
Start	1837	End	2337
Name	OJ991015_03.0302.C15.o1.np	Method	AAT/NAP
Start	1054	End	2337
GI	81286	Score	191
Exons	1054..1318, 1840..2013, 2065..2337		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	26846	Seq. ID	OJ991015_03.0302.C15
Gene No.	55614	Strand	-
Start	1837	End	2337
Name	OJ991015_03.0302.C15.o2.gs	Method	GENSCAN
Start	1837	End	2210
GI	none	Score	.57
Exons	1837..2210		

Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55615	Strand	+
Start	987	End	6102
Name	OJ991015_03.0302.C16.o3.np	Method	AAT/NAP
Start	987	End	4855
GI	4415931	Score	323
Exons	987..1030, 3489..3612, 3700..3950, 4729..4855		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55615	Strand	+
Start	987	End	6102
Name	OJ991015_03.0302.C16.o2.gs	Method	GENSCAN
Start	2819	End	6102
GI	none	Score	.67
Exons	2819..2839, 2983..3188, 3432..3612, 3739..3959, 4046..4213, 4538..4637, 4684..4860, 5465..5687, 5735..6102		

Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55616	Strand	-
Start	137	End	367
Name	OJ991015_03.0302.C16.o1.np	Method	AAT/NAP
Start	137	End	367
GI	1345643	Score	139
Exons	137..367		

GI Descrip.	FLAVONOID 3',5'-HYDROXYLASE 2 (F3'5'H) (CYTOCHROME P450 75A3) (CYPLXXVA3) gi|629709|pir||S38984 flavonoid 3',5'-hydroxylase Hf2 - garden petunia gi|311654|emb|CAA80265| (Z22544) flavonoid 3',5'-hydroxylase [Petunia x hybrida] gi|738771|prf||2001426A flavonoid 3',5'-hydroxylase [Petunia x hybrida]		
Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55617	Strand	-
Start	498	End	2508
Name	OJ991015_03.0302.C16.o2.np	Method	AAT/NAP
Start	498	End	2508
GI	6552735	Score	287
Exons	498..612, 1879..2508		
GI Descrip.	(AC013482) T26F17.17 [Arabidopsis thaliana]		
Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55618	Strand	-
Start	6271	End	8260
Name	OJ991015_03.0302.C16.o2.tm	Method	TBLASTX:Maize
Start	1847	End	2253
GI	none	Score	82
Exons	1847..2047, 1924..2046, 2050..2253		
Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55618	Strand	-
Start	6271	End	8260
Name	OJ991015_03.0302.C16.o2.ts	Method	TBLASTX:Soybean
Start	1900	End	2358
GI	none	Score	242
Exons	1900..2358		
Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55618	Strand	-
Start	6271	End	8260
Name	OJ991015_03.0302.C16.o1.tw	Method	TBLASTX:Wheat
Start	1975	End	2373
GI	none	Score	110
Exons	1975..2271, 1978..2373, 2156..2323		
Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55618	Strand	-
Start	6271	End	8260
Name	OJ991015_03.0302.C16.o2.tc	Method	TBLASTX:Cress
Start	2092	End	2364
GI	none	Score	186
Exons	2092..2364		
Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55618	Strand	-
Start	6271	End	8260
Name	OJ991015_03.0302.C16.o3.tm	Method	TBLASTX:Maize
Start	2267	End	2609
GI	none	Score	118
Exons	2267..2494, 2269..2493, 2403..2591, 2545..2592, 2548..2595, 2549..2596, 2550..2609		
Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16

Gene No.	55618	Strand	-
Start	6271	End	8260
Name	OJ991015_03.0302.C16.o1.tc	Method	TBLASTX:Cress
Start	3487	End	3939
GI	none	Score	99
Exons	3487..3570, 3673..3762, 3674..3736, 3702..3779, 3751..3939, 3757..3903, 3774..3938		

Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55618	Strand	-
Start	6271	End	8260
Name	OJ991015_03.0302.C16.o1.tm	Method	TBLASTX:Maize
Start	3490	End	3983
GI	none	Score	151
Exons	3490..3609, 3661..3969, 3671..3832, 3673..3960, 3699..3983		

Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55618	Strand	-
Start	6271	End	8260
Name	OJ991015_03.0302.C16.o1.ts	Method	TBLASTX:Soybean
Start	3490	End	3951
GI	none	Score	133
Exons	3490..3612, 3537..3611, 3658..3933, 3671..3829, 3673..3951, 3702..3938		

Seq. No.	26847	Seq. ID	OJ991015_03.0302.C16
Gene No.	55618	Strand	-
Start	6271	End	8260
Name	OJ991015_03.0302.C16.o3.gs	Method	GENSCAN
Start	6271	End	8260
GI	none	Score	.53
Exons	6271..6438, 6481..6553, 6602..6784, 8220..8260		

Seq. No.	26848	Seq. ID	OJ991015_03.0302.C17
Gene No.	55619	Strand	-
Start	4896	End	6944
Name	OJ991015_03.0302.C17.o3.gs	Method	GENSCAN
Start	4896	End	6944
GI	none	Score	.44
Exons	4896..5014, 5046..5119, 6889..6944		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55620	Strand	+
Start	1	End	7052
Name	OJ991015_03.0302.C18.o1.np	Method	AAT/NAP
Start	1	End	7052
GI	119110	Score	142
Exons	1..265, 6421..7052		
GI Descrip.	EBNA-1 NUCLEAR PROTEIN gi|73987|pir||QQBE31 probable nuclear antigen - human herpesvirus 4 (strain B95-8) gi|1334880|emb|CAA24816.1| (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55620	Strand	+
Start	1	End	7052
Name	OJ991015_03.0302.C18.o1.gs	Method	GENSCAN

Start	148	End	928
GI	none	Score	.4
Exons	148..305, 779..928		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55621	Strand	+
Start	7615	End	7786
Name	OJ991015_03.0302.C18.o1.gp	Method	AAT/GAP
Start	7615	End	7786
GI	uC-osf1M202062f05b1	Score	229
Exons	7615..7786		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55622	Strand	+
Start	10149	End	11741
Name	OJ991015_03.0302.C18.o3.gs	Method	GENSCAN
Start	10149	End	11410
GI	none	Score	.97
Exons	10149..10150, 10404..10604, 10776..11410		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55622	Strand	+
Start	10149	End	11741
Name	OJ991015_03.0302.C18.o2.np	Method	AAT/NAP
Start	10489	End	11741
GI	3540195	Score	510
Exons	10489..10599, 10777..11410, 11718..11741		
GI Descrip.	(AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55622	Strand	+
Start	10149	End	11741
Name	OJ991015_03.0302.C18.o3.gp	Method	AAT/GAP
Start	10886	End	11335
GI	2431484	Score	884
Exons	10886..11335		
GI Descrip.	3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55623	Strand	-
Start	3377	End	10614
Name	OJ991015_03.0302.C18.o2.gs	Method	GENSCAN
Start	3377	End	9293
GI	none	Score	.46
Exons	3377..3523, 4673..4722, 4810..4886, 5885..5886, 6387..6940, 7679..8009, 8724..8992, 9164..9293		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55623	Strand	-
Start	3377	End	10614
Name	OJ991015_03.0302.C18.o2.tm	Method	TBLASTX:Maize
Start	8302	End	10614
GI	none	Score	46
Exons	8302..8361, 8401..8517, 10405..10614, 10405..10605, 10458..10610		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55623	Strand	-
Start	3377	End	10614
Name	OJ991015_03.0302.C18.o2.gp	Method	AAT/GAP
Start	8303	End	8483
GI	uC-osf1M202062f05b1	Score	274
Exons	8303..8483		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55624	Strand	
Start	10840	End	11416
Name	OJ991015_03.0302.C18.o1.tm	Method	TBLASTX:Maize
Start	10840	End	11416
GI	none	Score	845
Exons	10840..11412, 10841..11416		

Seq. No.	26849	Seq. ID	OJ991015_03.0302.C18
Gene No.	55624	Strand	
Start	10840	End	11416
Name	OJ991015_03.0302.C18.o1.tw	Method	TBLASTX:Wheat
Start	11056	End	11204
GI	none	Score	106
Exons	11056..11193, 11057..11200, 11059..11202, 11097..11204		

Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55625	Strand	+
Start	1	End	823
Name	OJ991015_03.0302.C19.o1.np	Method	AAT/NAP
Start	1	End	610
GI	3540195	Score	816
Exons	1..610		
GI Descrip.	(AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55625	Strand	+
Start	1	End	823
Name	OJ991015_03.0302.C19.o1.gs	Method	GENSCAN
Start	32	End	604
GI	none	Score	.46
Exons	32..604		

Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55625	Strand	+
Start	1	End	823
Name	OJ991015_03.0302.C19.o1.gp	Method	AAT/GAP
Start	251	End	823
GI	31975_1.R1084	Score	1127
Exons	251..823		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55626	Strand	+
Start	4503	End	4566

Name	OJ991015_03.0302.C19.o2.gp	Method	AAT/GAP
Start	4503	End	4566
GI	LIB3477-003-P1-K1-E9	Score	82
Exons	4503..4566		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55627	Strand	-
Start	1666	End	9604
Name	OJ991015_03.0302.C19.o2.gs	Method	GENSCAN
Start	1666	End	9595
GI	none	Score	.63
Exons	1666..1731, 2053..2159, 2304..2343, 2447..2583, 2624..2796, 4969..5153, 5638..6251, 9157..9595		

Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55627	Strand	-
Start	1666	End	9604
Name	OJ991015_03.0302.C19.o2.np	Method	AAT/NAP
Start	5563	End	9604
GI	1552379	Score	927
Exons	5563..6251, 9157..9604		
GI Descrip.	(Y08155) pectin methylesterase [Silene latifolia ssp. alba]		

Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55628	Strand	-
Start	9517	End	9766
Name	OJ991015_03.0302.C19.o1.tm	Method	TBLASTX:Maize
Start	1	End	801
GI	none	Score	961
Exons	1..543, 2..601, 3..554, 583..621, 584..622, 598..669, 644..667, 769..801, 775..801		

Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55628	Strand	-
Start	9517	End	9766
Name	OJ991015_03.0302.C19.o2.tc	Method	TBLASTX:Cress
Start	1	End	288
GI	none	Score	391
Exons	1..126, 2..235, 17..235, 238..288, 239..280		

Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55628	Strand	-
Start	9517	End	9766
Name	OJ991015_03.0302.C19.o3.ts	Method	TBLASTX:Soybean
Start	1	End	226
GI	none	Score	148
Exons	1..225, 1..126, 2..226, 181..225		

Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55628	Strand	-
Start	9517	End	9766
Name	OJ991015_03.0302.C19.o1.tw	Method	TBLASTX:Wheat
Start	77	End	469
GI	none	Score	707

Exons	77..469, 77..376, 79..468		
Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55628	Strand	-
Start	9517	End	9766
Name	OJ991015_03.0302.C19:o2.ts	Method	TBLASTX:Soybean
Start	239	End	505
GI	none	Score	308
Exons	239..427, 241..426, 424..504, 428..505		
Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55628	Strand	-
Start	9517	End	9766
Name	OJ991015_03.0302.C19.o2.tm	Method	TBLASTX:Maize
Start	5535	End	6262
GI	none	Score	124
Exons	5535..5642, 5561..5638, 5566..5649, 5695..5757, 5717..5755, 5752..6171, 5753..6106, 6043..6171, 6121..6261, 6179..6262		
Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55628	Strand	-
Start	9517	End	9766
Name	OJ991015_03.0302.C19.o1.ts	Method	TBLASTX:Soybean
Start	5575	End	9376
GI	none	Score	80
Exons	5575..5613, 5698..5832, 5717..5833, 5875..5982, 6004..6249, 6043..6252, 9200..9376, 9219..9323		
Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55628	Strand	-
Start	9517	End	9766
Name	OJ991015_03.0302.C19.o1.tc	Method	TBLASTX:Cress
Start	5578	End	6253
GI	none	Score	239
Exons	5578..5649, 5701..6252, 5717..6091, 6164..6253		
Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55628	Strand	-
Start	9517	End	9766
Name	OJ991015_03.0302.C19.o2.tw	Method	TBLASTX:Wheat
Start	5759	End	6207
GI	none	Score	55
Exons	5759..5833, 5761..5832, 5878..5982, 5900..5956, 5905..5973, 5996..6106, 5998..6207, 6043..6207		
Seq. No.	26850	Seq. ID	OJ991015_03.0302.C19
Gene No.	55628	Strand	-
Start	9517	End	9766
Name	OJ991015_03.0302.C19.o3.gp	Method	AAT/GAP
Start	9517	End	9766
GI	none	Score	449
Exons	9517..9766		
Seq. No.	26851	Seq. ID	OJ991015_03.0302.C20
Gene No.	55629	Strand	-
Start	759	End	1210
Name	OJ991015_03.0302.C20.o1.gs	Method	GENSCAN

Start	759	End	1210
GI	none	Score	.59
Exons	759..852, 1187..1210		

Seq. No.	26852	Seq. ID	OJ991015_03.0302.C21
Gene No.	55630	Strand	+
Start	690	End	5839
Name	OJ991015_03.0302.C21.o1.gs	Method	GENSCAN
Start	690	End	5839
GI	none	Score	.59
Exons	690..2251, 3241..3633, 3668..3717, 4104..4214, 4310..4414, 4667..4819, 5108..5209, 5638..5714, 5788..5839		

Seq. No.	26852	Seq. ID	OJ991015_03.0302.C21
Gene No.	55630	Strand	+
Start	690	End	5839
Name	OJ991015_03.0302.C21.o1.np	Method	AAT/NAP
Start	690	End	3276
GI	4587573	Score	755
Exons	690..1706, 3112..3276		
GI Descrip.	(AC006550) Similar to clathrin assembly protein gb|AF041374 (CALM) from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	26852	Seq. ID	OJ991015_03.0302.C21
Gene No.	55630	Strand	+
Start	690	End	5839
Name	OJ991015_03.0302.C21.o1.tm	Method	TBLASTX:Maize
Start	753	End	2237
GI	none	Score	50
Exons	753..827, 834..1061, 834..884, 957..1094, 1101..1160, 1326..1700, 1346..1654, 2100..2237, 2108..2206		

Seq. No.	26852	Seq. ID	OJ991015_03.0302.C21
Gene No.	55630	Strand	+
Start	690	End	5839
Name	OJ991015_03.0302.C21.o1.tc	Method	TBLASTX:Cress
Start	1326	End	1700
GI	none	Score	284
Exons	1326..1700		

Seq. No.	26852	Seq. ID	OJ991015_03.0302.C21
Gene No.	55630	Strand	+
Start	690	End	5839
Name	OJ991015_03.0302.C21.o1.ts	Method	TBLASTX:Soybean
Start	1431	End	2237
GI	none	Score	215
Exons	1431..1700, 2100..2237, 2105..2203		

Seq. No.	26853	Seq. ID	OJ000122_52.0228.C1
Gene No.	55631	Strand	
Start	725	End	1089
Name	OJ000122_52.0228.C1.o1.tw	Method	TBLASTX:Wheat
Start	725	End	1089
GI	none	Score	79
Exons	725..823, 742..819, 834..905, 940..1089, 942..1088		

Seq. No.	26853	Seq. ID	OJ000122_52.0228.C1

Gene No.	55631	Strand	
Start	725	End	1089
Name	OJ000122_52.0228.C1.o1.tm	Method	TBLASTX:Maize
Start	831	End	1089
GI	none	Score	188
Exons	831..1085, 835..1089		

Seq. No.	26853	Seq. ID	OJ000122_52.0228.C1
Gene No.	55631	Strand	
Start	725	End	1089
Name	OJ000122_52.0228.C1.o1.ts	Method	TBLASTX:Soybean
Start	835	End	1089
GI	5509260	Score	179
Exons	835..1089, 882..1085		
GI Descrip.	-		

Seq. No.	26854	Seq. ID	OJ000122_52.0228.C3
Gene No.	55632	Strand	
Start	15	End	373
Name	OJ000122_52.0228.C3.o1.tw	Method	TBLASTX:Wheat
Start	15	End	373
GI	none	Score	95
Exons	15..254, 17..238, 221..319, 222..314, 326..373		

Seq. No.	26854	Seq. ID	OJ000122_52.0228.C3
Gene No.	55632	Strand	
Start	15	End	373
Name	OJ000122_52.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	83	End	368
GI	none	Score	85
Exons	83..331, 84..368		

Seq. No.	26855	Seq. ID	OJ000122_52.0228.C5
Gene No.	55633	Strand	
Start	6	End	1463
Name	OJ000122_52.0228.C5.o2.tw	Method	TBLASTX:Wheat
Start	6	End	498
GI	none	Score	602
Exons	6..497, 140..493, 250..498		

Seq. No.	26855	Seq. ID	OJ000122_52.0228.C5
Gene No.	55633	Strand	
Start	6	End	1463
Name	OJ000122_52.0228.C5.o1.tc	Method	TBLASTX:Cress
Start	195	End	521
GI	none	Score	90
Exons	195..377, 378..521, 380..520		

Seq. No.	26855	Seq. ID	OJ000122_52.0228.C5
Gene No.	55633	Strand	
Start	6	End	1463
Name	OJ000122_52.0228.C5.o1.ts	Method	TBLASTX:Soybean
Start	285	End	545
GI	none	Score	301
Exons	285..545, 296..544		

Seq. No.	26855	Seq. ID	OJ000122_52.0228.C5

Gene No.	55633	Strand	
Start	6	End	1463
Name	OJ000122_52.0228.C5.o2.tm	Method	TBLASTX:Maize
Start	344	End	635
GI	none	Score	406
Exons	344..631, 345..635		

Seq. No.	26855	Seq. ID	OJ000122_52.0228.C5
Gene No.	55633	Strand	
Start	6	End	1463
Name	OJ000122_52.0228.C5.o1.tw	Method	TBLASTX:Wheat
Start	504	End	1130
GI	none	Score	707
Exons	504..1130, 560..1009, 1070..1129		

Seq. No.	26855	Seq. ID	OJ000122_52.0228.C5
Gene No.	55633	Strand	
Start	6	End	1463
Name	OJ000122_52.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	683	End	1268
GI	none	Score	229
Exons	683..838, 684..845, 842..1003, 843..1268, 1005..1247, 1070..1267		

Seq. No.	26855	Seq. ID	OJ000122_52.0228.C5
Gene No.	55633	Strand	
Start	6	End	1463
Name	OJ000122_52.0228.C5.o3.tw	Method	TBLASTX:Wheat
Start	1130	End	1463
GI	none	Score	301
Exons	1130..1411, 1131..1463		

Seq. No.	26856	Seq. ID	OJ000122_52.0228.C6
Gene No.	55634	Strand	
Start	103	End	432
Name	OJ000122_52.0228.C6.o1.tm	Method	TBLASTX:Maize
Start	103	End	432
GI	none	Score	106
Exons	103..156, 166..282, 166..282, 283..303, 283..429, 367..432		

Seq. No.	26857	Seq. ID	OJ000122_52.0228.C12
Gene No.	55635	Strand	+
Start	289	End	350
Name	OJ000122_52.0228.C12.o1.gp	Method	AAT/GAP
Start	289	End	350
GI	4879016	Score	116
Exons	289..350		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	26858	Seq. ID	OJ000122_52.0228.C17
Gene No.	55636	Strand	+
Start	1826	End	2070
Name	OJ000122_52.0228.C17.o1.gp	Method	AAT/GAP
Start	1826	End	2070
GI	uC-osf1cyp033a04b1	Score	414
Exons	1826..2070		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	26859	Seq. ID	OJ000122_52.0228.C19
Gene No.	55637	Strand	
Start	1	End	193
Name	OJ000122_52.0228.C19.o1.tw	Method	TBLASTX:Wheat
Start	1	End	193
GI	none	Score	119
Exons	1..192, 1..183, 2..193		

Seq. No.	26860	Seq. ID	OJ000122_52.0228.C23
Gene No.	55638	Strand	
Start	3232	End	3546
Name	OJ000122_52.0228.C23.o1.tm	Method	TBLASTX:Maize
Start	3232	End	3532
GI	none	Score	242
Exons	3232..3528, 3233..3532, 3236..3523		

Seq. No.	26860	Seq. ID	OJ000122_52.0228.C23
Gene No.	55638	Strand	
Start	3232	End	3546
Name	OJ000122_52.0228.C23.o1.ts	Method	TBLASTX:Soybean
Start	3232	End	3546
GI	none	Score	103
Exons	3232..3369, 3236..3352, 3427..3534, 3457..3546		

Seq. No.	26860	Seq. ID	OJ000122_52.0228.C23
Gene No.	55638	Strand	
Start	3232	End	3546
Name	OJ000122_52.0228.C23.o1.tw	Method	TBLASTX:Wheat
Start	3232	End	3546
GI	none	Score	81
Exons	3232..3345, 3236..3358, 3415..3534, 3425..3496, 3426..3524, 3454..3546		

Seq. No.	26861	Seq. ID	OJ000122_52.0228.C26
Gene No.	55639	Strand	
Start	15	End	330
Name	OJ000122_52.0228.C26.o1.tm	Method	TBLASTX:Maize
Start	15	End	330
GI	none	Score	363
Exons	15..206, 16..330, 17..310		

Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55640	Strand	
Start	315	End	1781
Name	OJ000122_52.0228.C30.o6.tm	Method	TBLASTX:Maize
Start	315	End	512
GI	none	Score	197
Exons	315..512		

Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55640	Strand	
Start	315	End	1781
Name	OJ000122_52.0228.C30.o6.tw	Method	TBLASTX:Wheat
Start	336	End	669

GI	none	Score	104
Exons	336..668, 460..669		

Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55640	Strand	
Start	315	End	1781
Name	OJ000122_52.0228.C30.o1.tm	Method	TBLASTX:Maize
Start	516	End	1115
GI	none	Score	234
Exons	516..956, 529..954, 954..1115, 961..1107		

Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55640	Strand	
Start	315	End	1781
Name	OJ000122_52.0228.C30.o1.tw	Method	TBLASTX:Wheat
Start	669	End	1295
GI	none	Score	356
Exons	669..1295, 670..1293		

Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55640	Strand	
Start	315	End	1781
Name	OJ000122_52.0228.C30.o3.tm	Method	TBLASTX:Maize
Start	1164	End	1455
GI	none	Score	232
Exons	1164..1454, 1168..1455		

Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55640	Strand	
Start	315	End	1781
Name	OJ000122_52.0228.C30.o2.ts	Method	TBLASTX:Soybean
Start	1254	End	1514
GI	none	Score	151
Exons	1254..1514, 1255..1509		

Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55640	Strand	
Start	315	End	1781
Name	OJ000122_52.0228.C30.o1.tc	Method	TBLASTX:Cress
Start	1278	End	1595
GI	none	Score	81
Exons	1278..1421, 1279..1419, 1422..1595		

Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55640	Strand	
Start	315	End	1781
Name	OJ000122_52.0228.C30.o3.tw	Method	TBLASTX:Wheat
Start	1302	End	1781
GI	none	Score	237
Exons	1302..1781, 1303..1557, 1308..1748		

Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55641	Strand	
Start	1785	End	2294
Name	OJ000122_52.0228.C30.o2.tw	Method	TBLASTX:Wheat
Start	1785	End	2294
GI	none	Score	238

Exons	1785..2294, 1869..2216, 1951..2262		
Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55641	Strand	
Start	1785	End	2294
Name	OJ000122_52.0228.C30.o2.tm	Method	TBLASTX:Maize
Start	1857	End	2222
GI	none	Score	155
Exons	1857..2168, 1864..2061, 1869..2222, 1954..2220		
Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55641	Strand	
Start	1785	End	2294
Name	OJ000122_52.0228.C30.o3.ts	Method	TBLASTX:Soybean
Start	2043	End	2270
GI	none	Score	198
Exons	2043..2270		
Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55642	Strand	
Start	2259	End	3128
Name	OJ000122_52.0228.C30.o4.tm	Method	TBLASTX:Maize
Start	2259	End	2759
GI	none	Score	43
Exons	2259..2594, 2302..2352, 2304..2507, 2467..2508, 2580..2759		
Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55642	Strand	
Start	2259	End	3128
Name	OJ000122_52.0228.C30.o5.tw	Method	TBLASTX:Wheat
Start	2295	End	2597
GI	none	Score	252
Exons	2295..2597, 2296..2577, 2495..2596		
Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55642	Strand	
Start	2259	End	3128
Name	OJ000122_52.0228.C30.o1.ts	Method	TBLASTX:Soybean
Start	2310	End	2705
GI	none	Score	176
Exons	2310..2669, 2311..2574, 2589..2669, 2661..2705, 2673..2705		
Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55642	Strand	
Start	2259	End	3128
Name	OJ000122_52.0228.C30.o4.tw	Method	TBLASTX:Wheat
Start	2646	End	3128
GI	none	Score	181
Exons	2646..3128, 2688..3017, 2689..3024		
Seq. No.	26862	Seq. ID	OJ000122_52.0228.C30
Gene No.	55642	Strand	
Start	2259	End	3128
Name	OJ000122_52.0228.C30.o5.tm	Method	TBLASTX:Maize
Start	2827	End	3116
GI	none	Score	154
Exons	2827..3018, 2829..3116		

Seq. No.	26863	Seq. ID	OJ000122_52.0228.C31
Gene No.	55643	Strand	
Start	214	End	790
Name	OJ000122_52.0228.C31.o1.tm	Method	TBLASTX:Maize
Start	214	End	547
GI	none	Score	113
Exons	214..546, 262..546, 359..547		

Seq. No.	26863	Seq. ID	OJ000122_52.0228.C31
Gene No.	55643	Strand	
Start	214	End	790
Name	OJ000122_52.0228.C31.o1.tw	Method	TBLASTX:Wheat
Start	427	End	790
GI	none	Score	100
Exons	427..786, 428..661, 686..790		

Seq. No.	26864	Seq. ID	OJ000122_52.0228.C33
Gene No.	55644	Strand	
Start	1	End	493
Name	OJ000122_52.0228.C33.o1.tm	Method	TBLASTX:Maize
Start	1	End	427
GI	none	Score	103
Exons	1..423, 2..427		

Seq. No.	26864	Seq. ID	OJ000122_52.0228.C33
Gene No.	55644	Strand	
Start	1	End	493
Name	OJ000122_52.0228.C33.o1.tw	Method	TBLASTX:Wheat
Start	10	End	493
GI	none	Score	223
Exons	10..492, 13..468, 53..493		

Seq. No.	26864	Seq. ID	OJ000122_52.0228.C33
Gene No.	55644	Strand	
Start	1	End	493
Name	OJ000122_52.0228.C33.o1.ts	Method	TBLASTX:Soybean
Start	142	End	456
GI	none	Score	184
Exons	142..456		

Seq. No.	26864	Seq. ID	OJ000122_52.0228.C33
Gene No.	55645	Strand	
Start	428	End	621
Name	OJ000122_52.0228.C33.o3.tm	Method	TBLASTX:Maize
Start	428	End	621
GI	none	Score	148
Exons	428..583, 430..621		

Seq. No.	26864	Seq. ID	OJ000122_52.0228.C33
Gene No.	55646	Strand	
Start	625	End	978
Name	OJ000122_52.0228.C33.o3.tw	Method	TBLASTX:Wheat
Start	625	End	978
GI	none	Score	259
Exons	625..978		

Seq. No.	26864	Seq. ID	OJ000122_52.0228.C33
Gene No.	55647	Strand	
Start	1312	End	1665
Name	OJ000122_52.0228.C33.o2.tw	Method	TBLASTX:Wheat
Start	1312	End	1665
GI	none	Score	78
Exons	1312..1662, 1468..1665		

Seq. No.	26864	Seq. ID	OJ000122_52.0228.C33
Gene No.	55647	Strand	
Start	1312	End	1665
Name	OJ000122_52.0228.C33.o2.tm	Method	TBLASTX:Maize
Start	1324	End	1662
GI	none	Score	85
Exons	1324..1662, 1453..1662		

Seq. No.	26864	Seq. ID	OJ000122_52.0228.C33
Gene No.	55648	Strand	
Start	1714	End	1912
Name	OJ000122_52.0228.C33.o4.tw	Method	TBLASTX:Wheat
Start	1714	End	1912
GI	none	Score	126
Exons	1714..1896, 1715..1912		

Seq. No.	26865	Seq. ID	OJ000122_52.0228.C34
Gene No.	55649	Strand	
Start	826	End	1122
Name	OJ000122_52.0228.C34.o1.tw	Method	TBLASTX:Wheat
Start	826	End	1122
GI	none	Score	255
Exons	826..1122, 886..1029, 954..1118		

Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55650	Strand	+
Start	15967	End	20623
Name	OJ000102_36.0222.C1.o2.gp	Method	AAT/GAP
Start	15967	End	20623
GI	uC-osflcyp029d06b1	Score	872
Exons	15967..16287, 20446..20623		
GI Descrip.	'5524769/emb|CAB50793.1| 3.0e-11 (AJ243822) Mre11 protein [Arabidopsis thaliana]'		

Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55651	Strand	+
Start	27519	End	30442
Name	OJ000102_36.0222.C1.o3.gp	Method	AAT/GAP
Start	27519	End	30442
GI	17582_1.R1084	Score	1098
Exons	27519..27581, 27684..27722, 27845..27926, 29235..29306, 29670..29722, 30132..30442		
GI Descrip.	'4582434/gb|AAD24820.1|AC007196_6 1.0e-41 (AC007196) unknown protein [Arabidopsis thaliana]'		

Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55652	Strand	+
Start	43297	End	44246
Name	OJ000102_36.0222.C1.o4.gp	Method	AAT/GAP

Start	43297	End	44246
GI	LIB3434-005-P1-K1-D3	Score	847
Exons	43297..43362, 43655..43843, 44006..44246		
GI Descrip.	'5734438/emb|CAB52688.1| 1.0e-49 (AJ132223) hexose transporter [Lycopersicon esculentum]'		

Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55653	Strand	-
Start	247	End	728
Name	OJ000102_36.0222.C1.o1.gp	Method	AAT/GAP
Start	247	End	728
GI	none	Score	646
Exons	247..475, 613..728		

Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55653	Strand	-
Start	247	End	728
Name	OJ000102_36.0222.C1.o5.tm	Method	TBLASTX:Maize
Start	298	End	692
GI	none	Score	188
Exons	298..477, 299..484, 300..476, 300..485, 332..478, 605..691, 613..690, 624..692		

Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55654	Strand	
Start	19229	End	19817
Name	OJ000102_36.0222.C1.o1.tc	Method	TBLASTX:Cress
Start	19229	End	19817
GI	none	Score	125
Exons	19229..19267, 19346..19453, 19348..19452, 19541..19576, 19577..19627, 19746..19817		

Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55655	Strand	
Start	20424	End	21245
Name	OJ000102_36.0222.C1.o4.ts	Method	TBLASTX:Soybean
Start	20424	End	21245
GI	none	Score	85
Exons	20424..20588, 20428..20559, 20433..20591, 20434..20589, 21104..21244, 21105..21245		

Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55656	Strand	
Start	31912	End	34749
Name	OJ000102_36.0222.C1.o3.ts	Method	TBLASTX:Soybean
Start	31912	End	33122
GI	none	Score	88
Exons	31912..31992, 32275..32385, 32817..32948, 32817..32951, 32821..32949, 32821..32967, 32828..32959, 33058..33120, 33060..33122		

Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55656	Strand	
Start	31912	End	34749
Name	OJ000102_36.0222.C1.o1.tm	Method	TBLASTX:Maize
Start	32235	End	34749
GI	none	Score	58

Exons	32235..32324, 32275..32328, 32311..32385, 32334..32384, 32821..32967, 32822..32971, 33063..33158, 33067..33156, 33073..33162, 33074..33190, 33311..33379, 33321..33386, 33497..33550, 34088..34258, 34089..34247, 34090..34251, 34656..34748, 34660..34749		
Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55656	Strand	
Start	31912	End	34749
Name	OJ000102_36.0222.C1.o5.ts	Method	TBLASTX:Soybean
Start	34086	End	34745
GI	none	Score	101
Exons	34086..34247, 34088..34246, 34638..34724, 34710..34745		
Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55657	Strand	
Start	36183	End	36628
Name	OJ000102_36.0222.C1.o1.ts	Method	TBLASTX:Soybean
Start	36183	End	36628
GI	none	Score	176
Exons	36183..36317, 36200..36316, 36422..36628, 36436..36531		
Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55658	Strand	
Start	36788	End	39000
Name	OJ000102_36.0222.C1.o4.tm	Method	TBLASTX:Maize
Start	36788	End	39000
GI	none	Score	81
Exons	36788..36886, 36788..36886, 36789..36890, 36982..37086, 36987..37088, 36988..37113, 36989..37087, 36990..37112, 37487..37555, 37489..37557, 37948..38052, 37949..38056, 37959..38057, 37995..38060, 38900..38998, 38900..38998, 38901..38999, 38901..38999, 38902..39000		
Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55659	Strand	
Start	41304	End	44606
Name	OJ000102_36.0222.C1.o3.tm	Method	TBLASTX:Maize
Start	41304	End	43871
GI	none	Score	152
Exons	41304..41405, 41311..41409, 41311..41409, 41862..41942, 41863..41940, 41870..41947, 42535..42600, 42537..42602, 42537..42602, 42755..42910, 42768..42902, 42769..42906, 43255..43362, 43257..43361, 43649..43852, 43649..43834, 43650..43871		
Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55659	Strand	
Start	41304	End	44606
Name	OJ000102_36.0222.C1.o2.ts	Method	TBLASTX:Soybean
Start	43652	End	44200
GI	none	Score	285
Exons	43652..43849, 43652..43834, 43687..43836, 44063..44200, 44092..44199		
Seq. No.	26866	Seq. ID	OJ000102_36.0222.C1
Gene No.	55659	Strand	

Start	41304	End	44606
Name	OJ000102_36.0222.C1.o2.tm	Method	TBLASTX:Maize
Start	44067	End	44606
GI	none	Score	160
Exons	44067..44219, 44067..44105, 44069..44233, 44092..44235, 44436..44597, 44439..44606		

Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55660	Strand	+
Start	1675	End	2138
Name	OJ000102_36.0222.C2.o1.gp	Method	AAT/GAP
Start	1675	End	2138
GI	2427703	Score	798
Exons	1675..2138		
GI Descrip.	4138722/emb|CAA70777| 8.0e-30 (Y09590) hexose transporter [Vitis vinifera]		

Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55661	Strand	+
Start	2790	End	3417
Name	OJ000102_36.0222.C2.o2.tm	Method	TBLASTX:Maize
Start	37	End	723
GI	none	Score	221
Exons	37..201, 55..207, 56..208, 308..466, 317..442, 507..692, 509..691, 523..723		

Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55661	Strand	+
Start	2790	End	3417
Name	OJ000102_36.0222.C2.o2.ts	Method	TBLASTX:Soybean
Start	59	End	583
GI	none	Score	76
Exons	59..148, 133..195, 148..204, 149..208, 314..382, 317..397, 507..581, 509..583		

Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55661	Strand	+
Start	2790	End	3417
Name	OJ000102_36.0222.C2.o3.tm	Method	TBLASTX:Maize
Start	1730	End	2077
GI	none	Score	162
Exons	1730..1846, 1743..1847, 1849..2076, 1850..2077		

Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55661	Strand	+
Start	2790	End	3417
Name	OJ000102_36.0222.C2.o1.tc	Method	TBLASTX:Cress
Start	1733	End	3217
GI	none	Score	128
Exons	1733..1846, 1755..1847, 1849..2115, 1850..2854, 2167..2277, 2350..2853, 2857..3216, 2858..3217		

Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55661	Strand	+
Start	2790	End	3417
Name	OJ000102_36.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	1757	End	3229

GI	none	Score	112
Exons	1757..1846, 1758..1847, 1849..2112, 1850..2854, 2170..2280, 2350..2853, 2857..3216, 2858..3229		
Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55661	Strand	+
Start	2790	End	3417
Name	OJ000102_36.0222.C2.o4.tm	Method	TBLASTX:Maize
Start	2168	End	2512
GI	none	Score	258
Exons	2168..2419, 2179..2292, 2435..2512		
Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55661	Strand	+
Start	2790	End	3417
Name	OJ000102_36.0222.C2.o2.tw	Method	TBLASTX:Wheat
Start	2489	End	2827
GI	none	Score	241
Exons	2489..2827, 2527..2811		
Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55661	Strand	+
Start	2790	End	3417
Name	OJ000102_36.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	2522	End	3219
GI	none	Score	1086
Exons	2522..3217, 2524..3219		
Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55661	Strand	+
Start	2790	End	3417
Name	OJ000102_36.0222.C2.o2.gp	Method	AAT/GAP
Start	2790	End	3417
GI	5771166	Score	1173
Exons	2790..3417		
GI Descrip.	5734438/emb|CAB52688.1| 1.0e-49 (AJ132223) hexose transporter [Lycopersicon esculentum]		
Seq. No.	26867	Seq. ID	OJ000102_36.0222.C2
Gene No.	55661	Strand	+
Start	2790	End	3417
Name	OJ000102_36.0222.C2.o1.tw	Method	TBLASTX:Wheat
Start	2879	End	3205
GI	none	Score	399
Exons	2879..3205, 2887..3204		
Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55662	Strand	-
Start	6346	End	6800
Name	OJ000102_36.0222.C4.o1.gp	Method	AAT/GAP
Start	6346	End	6800
GI	2311773	Score	741
Exons	6346..6800		
Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55663	Strand	-
Start	19923	End	21797

Name	OJ000102_36.0222.C4.o2.gp	Method	AAT/GAP
Start	19923	End	21797
GI	38389_1.R1084	Score	1759
Exons	19923..20357, 20888..20941, 21103..21346, 21574..21797		
GI Descrip.	'4138722/emb|CAA70777| 8.0e-30 (Y09590) hexose transporter [Vitis vinifera]'		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o1.tc	Method	TBLASTX:Cress
Start	9425	End	12185
GI	none	Score	70
Exons	9425..9505, 9444..9503, 9578..9784, 9606..9782, 9635..9784, 9933..10052, 9934..10056, 9944..10075, 9948..10067, 10183..10251, 10184..10252, 10306..10383, 11189..11278, 11205..11273, 11756..11851, 11769..11852, 12127..12183, 12132..12185		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o2.tw	Method	TBLASTX:Wheat
Start	9431	End	9718
GI	none	Score	102
Exons	9431..9526, 9440..9571, 9575..9718, 9588..9716, 9610..9717, 9617..9718		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	9440	End	10063
GI	none	Score	82
Exons	9440..9511, 9444..9503, 9446..9526, 9590..9784, 9600..9785, 9606..9785, 9607..9792, 9608..9802, 9941..10063, 9942..10061, 9943..10062		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o1.ts	Method	TBLASTX:Soybean
Start	9468	End	10027
GI	none	Score	48
Exons	9468..9500, 9470..9508, 9590..9784, 9600..9776, 9933..10022, 9944..10027		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o4.tm	Method	TBLASTX:Maize
Start	10237	End	12436
GI	none	Score	80
Exons	10237..10281, 10712..10786, 10717..10809, 10718..10783, 11174..11278, 11199..11279, 11205..11276, 11756..11848, 11759..11851, 11769..11852, 12128..12184, 12132..12182, 12305..12433, 12306..12434, 12308..12436, 12310..12435		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o3.tm	Method	TBLASTX:Maize
Start	12728	End	13136
GI	none	Score	77
Exons	12728..12796, 12732..12797, 13002..13133, 13007..13135, 13008..13136		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o3.tc	Method	TBLASTX:Cress
Start	12965	End	13365
GI	none	Score	127
Exons	12965..13138, 12977..13138, 12999..13145, 13005..13145, 13285..13365		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o3.ts	Method	TBLASTX:Soybean
Start	13002	End	13324
GI	none	Score	79
Exons	13002..13133, 13007..13135, 13007..13135, 13008..13136, 13234..13320, 13238..13324		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o1.tw	Method	TBLASTX:Wheat
Start	13006	End	13509
GI	none	Score	142
Exons	13006..13134, 13007..13135, 13008..13136, 13234..13365, 13234..13365, 13462..13509		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o2.tc	Method	TBLASTX:Cress
Start	21889	End	22072
GI	none	Score	41
Exons	21889..22071, 21905..21949, 21980..22072		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o2.ts	Method	TBLASTX:Soybean
Start	21889	End	22071
GI	none	Score	110
Exons	21889..22071, 21905..22063		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o2.tm	Method	TBLASTX:Maize

Start	21892	End	22072
GI	none	Score	228
Exons	21892..22071, 21905..22072		

Seq. No.	26868	Seq. ID	OJ000102_36.0222.C4
Gene No.	55664	Strand	-
Start	22032	End	22371
Name	OJ000102_36.0222.C4.o3.gp	Method	AAT/GAP
Start	22032	End	22371
GI	none	Score	621
Exons	22032..22371		

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o2.ts	Method	TBLASTX:Soybean
Start	4095	End	9075
GI	none	Score	34
Exons	4095..4124, 4217..4234, 4239..4352, 4464..4526, 4573..4614, 8584..8643, 8585..8659, 8650..8733, 8660..8851, 8857..8913, 8923..9075, 8924..9073		

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o3.tm	Method	TBLASTX:Maize
Start	4205	End	8998
GI	none	Score	57
Exons	4205..4249, 4239..4418, 4240..4284, 4380..4517, 4400..4525, 4570..4620, 8545..8634, 8546..8659, 8659..8826, 8660..8818, 8918..8998		

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o2.tc	Method	TBLASTX:Cress
Start	4221	End	9169
GI	none	Score	95
Exons	4221..4388, 4241..4330, 4427..4525, 4437..4529, 4543..4617, 4802..4984, 8576..8818, 8855..8911, 8924..8989, 9002..9169		

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o4.tm	Method	TBLASTX:Maize
Start	5035	End	9598
GI	none	Score	177
Exons	5035..5187, 5044..5172, 5049..5177, 5166..5243, 5194..5235, 9551..9598		

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o2.tm	Method	TBLASTX:Maize
Start	6041	End	6446
GI	none	Score	95
Exons	6041..6139, 6232..6315, 6237..6314, 6312..6446, 6312..6440,		

6314..6442

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o3.ts	Method	TBLASTX:Soybean
Start	6041	End	6371
GI	none	Score	95
Exons	6041..6139, 6232..6315, 6237..6314, 6312..6371, 6314..6370		

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o1.tc	Method	TBLASTX:Cress
Start	6226	End	7605
GI	none	Score	99
Exons	6226..6315, 6237..6314, 6299..6445, 6303..6446, 6742..6969, 6808..7011, 7073..7126, 7127..7195, 7477..7605		

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o2.tw	Method	TBLASTX:Wheat
Start	6232	End	6795
GI	none	Score	77
Exons	6232..6315, 6237..6314, 6312..6446, 6312..6446, 6314..6454, 6751..6795		

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	6372	End	7120
GI	none	Score	70
Exons	6372..6446, 6742..6969, 6747..6833, 6754..7002, 6806..6970, 7069..7119, 7070..7120		

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	6757	End	7171
GI	none	Score	88
Exons	6757..6975, 6759..6956, 6760..6969, 6869..7009, 7069..7110, 7069..7119, 7070..7120, 7127..7171		

Seq. No.	26869	Seq. ID	OJ000102_36.0222.C6
Gene No.	55665	Strand	
Start	4095	End	9598
Name	OJ000102_36.0222.C6.o1.tw	Method	TBLASTX:Wheat
Start	6796	End	7120
GI	none	Score	223
Exons	6796..6969, 6802..6969, 7069..7119, 7070..7120		

Seq. No.	26870	Seq. ID	OJ000102_36.0222.C8
Gene No.	55666	Strand	
Start	205	End	592

Name	OJ000102_36.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	205	End	574
GI	none	Score	124
Exons	205..285, 219..293, 222..293,	361..567, 373..567, 404..574	
Seq. No.	26870	Seq. ID	OJ000102_36.0222.C8
Gene No.	55666	Strand	
Start	205	End	592
Name	OJ000102_36.0222.C8.o1.tc	Method	TBLASTX:Cress
Start	228	End	569
GI	none	Score	46
Exons	228..293, 384..518, 430..567,	441..569	
Seq. No.	26870	Seq. ID	OJ000102_36.0222.C8
Gene No.	55666	Strand	
Start	205	End	592
Name	OJ000102_36.0222.C8.o1.tw	Method	TBLASTX:Wheat
Start	261	End	592
GI	none	Score	51
Exons	261..293, 264..293, 361..567,	373..567, 392..592	
Seq. No.	26871	Seq. ID	OJ000122_45.0302.C3
Gene No.	55667	Strand	
Start	1632	End	2514
Name	OJ000122_45.0302.C3.o1.tm	Method	TBLASTX:Maize
Start	1632	End	2514
GI	none	Score	131
Exons	1632..1775, 1636..1776, 1636..1776, 2049..2270, 2079..2270, 2098..2274, 2134..2271, 2316..2504, 2316..2501, 2317..2514		
Seq. No.	26872	Seq. ID	OJ000122_45.0302.C4
Gene No.	55668	Strand	
Start	431	End	765
Name	OJ000122_45.0302.C4.o1.tm	Method	TBLASTX:Maize
Start	431	End	765
GI	none	Score	163
Exons	431..574, 472..570, 608..757, 652..765	639..758, 645..758, 649..759,	
Seq. No.	26873	Seq. ID	OJ000122_45.0302.C5
Gene No.	55669	Strand	+
Start	64	End	499
Name	OJ000122_45.0302.C5.o1.gp	Method	AAT/GAP
Start	64	End	499
GI	LIB3432-052-P1-K1-D9	Score	669
Exons	64..499		
GI Descrip.	'2326760/emb|Y14434|MTTANAD2X mitochondrial nad2 gene exons	0.0e+00 Triticum aestivum 3, 4 and 5, and trnY gene'	
Seq. No.	26874	Seq. ID	OJ000122_45.0302.C20
Gene No.	55670	Strand	-
Start	501	End	624
Name	OJ000122_45.0302.C20.o1.gp	Method	AAT/GAP
Start	501	End	624
GI	44255_1.R1084	Score	213
Exons	501..624		
GI Descrip.	'2894288/emb|CAA17029| 5.0e-16 (AL021837) putative proteome		

subunit [Schizosaccharomyces pombe]'

Seq. No.	26875	Seq. ID	OJ000122_45.0302.C22
Gene No.	55671	Strand	-
Start	393	End	492
Name	OJ000122_45.0302.C22.o1.gp	Method	AAT/GAP
Start	393	End	492
GI	422_2.R1084	Score	200
Exons	393..492		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	26876	Seq. ID	OJ000122_45.0302.C26
Gene No.	55672	Strand	
Start	298	End	487
Name	OJ000122_45.0302.C26.o1.tm	Method	TBLASTX:Maize
Start	298	End	458
GI	none	Score	154
Exons	298..435, 305..436, 310..450, 312..458		

Seq. No.	26876	Seq. ID	OJ000122_45.0302.C26
Gene No.	55672	Strand	
Start	298	End	487
Name	OJ000122_45.0302.C26.o1.tw	Method	TBLASTX:Wheat
Start	298	End	458
GI	none	Score	210
Exons	298..435, 310..450, 312..458		

Seq. No.	26876	Seq. ID	OJ000122_45.0302.C26
Gene No.	55672	Strand	
Start	298	End	487
Name	OJ000122_45.0302.C26.o1.ts	Method	TBLASTX:Soybean
Start	303	End	487
GI	none	Score	76
Exons	303..449, 304..450, 304..435, 305..487, 312..458		

Seq. No.	26876	Seq. ID	OJ000122_45.0302.C26
Gene No.	55672	Strand	
Start	298	End	487
Name	OJ000122_45.0302.C26.o1.tc	Method	TBLASTX:Cress
Start	304	End	458
GI	none	Score	179
Exons	304..435, 310..450, 312..458		

Seq. No.	26877	Seq. ID	OJ000122_45.0302.C29
Gene No.	55673	Strand	+
Start	1	End	1584
Name	OJ000122_45.0302.C29.o1.gp	Method	AAT/GAP
Start	1	End	1584
GI	635_1.R1084	Score	900
Exons	1..322, 1388..1584		
GI Descrip.	'459009 1.0e-133 (U00037) similar to multifunctional aminoacyl-tRNA synthetase, especially to the prolyl-tRNA synthetase region [Caenorhabditis elegans]'		

Seq. No.	26877	Seq. ID	OJ000122_45.0302.C29
Gene No.	55674	Strand	+

Start	2089	End	2627
Name	OJ000122_45.0302.C29.o1.ts	Method	TBLASTX:Soybean
Start	30	End	2407
GI	none	Score	404
Exons	30..323, 37..327, 1385..1606, 1386..1616, 1390..1614, 2099..2206, 2099..2194, 2122..2199, 2338..2400, 2339..2407		

Seq. No.	26877	Seq. ID	OJ000122_45.0302.C29
Gene No.	55674	Strand	+
Start	2089	End	2627
Name	OJ000122_45.0302.C29.o1.tm	Method	TBLASTX:Maize
Start	35	End	2442
GI	none	Score	82
Exons	35..148, 36..269, 36..323, 37..327, 37..324, 176..352, 1385..1606, 1390..1614, 1537..1617, 2099..2206, 2099..2206, 2128..2220, 2337..2405, 2338..2442, 2339..2404		

Seq. No.	26877	Seq. ID	OJ000122_45.0302.C29
Gene No.	55674	Strand	+
Start	2089	End	2627
Name	OJ000122_45.0302.C29.o1.tc	Method	TBLASTX:Cress
Start	36	End	279
GI	none	Score	75
Exons	36..146, 36..278, 37..279		

Seq. No.	26877	Seq. ID	OJ000122_45.0302.C29
Gene No.	55674	Strand	+
Start	2089	End	2627
Name	OJ000122_45.0302.C29.o2.tc	Method	TBLASTX:Cress
Start	280	End	2404
GI	none	Score	61
Exons	280..327, 1385..1606, 1385..1609, 1396..1632, 1455..1607, 2099..2206, 2122..2220, 2338..2400, 2339..2404		

Seq. No.	26877	Seq. ID	OJ000122_45.0302.C29
Gene No.	55674	Strand	+
Start	2089	End	2627
Name	OJ000122_45.0302.C29.o2.gp	Method	AAT/GAP
Start	2089	End	2627
GI	none	Score	674
Exons	2089..2195, 2340..2627		

Seq. No.	26878	Seq. ID	OJ000122_45.0302.C30
Gene No.	55675	Strand	-
Start	780	End	1944
Name	OJ000122_45.0302.C30.o3.tw	Method	TBLASTX:Wheat
Start	303	End	463
GI	none	Score	204
Exons	303..461, 309..461, 311..463		

Seq. No.	26878	Seq. ID	OJ000122_45.0302.C30
Gene No.	55675	Strand	-
Start	780	End	1944
Name	OJ000122_45.0302.C30.o1.tc	Method	TBLASTX:Cress
Start	308	End	769
GI	none	Score	332
Exons	308..757, 309..758, 314..769, 318..767, 709..768		

Seq. No.	26878	Seq. ID	OJ000122_45.0302.C30
Gene No.	55675	Strand	-
Start	780	End	1944
Name	OJ000122_45.0302.C30.o1.tm	Method	TBLASTX:Maize
Start	311	End	1122
GI	none	Score	643
Exons	311..769, 312..767, 312..770, 415..771, 748..801, 752..820, 774..1049, 800..1048, 802..1122, 802..1086		

Seq. No.	26878	Seq. ID	OJ000122_45.0302.C30
Gene No.	55675	Strand	-
Start	780	End	1944
Name	OJ000122_45.0302.C30.o1.ts	Method	TBLASTX:Soybean
Start	314	End	1188
GI	none	Score	531
Exons	314..769, 315..767, 421..783, 748..801, 752..799, 774..1187, 802..1185, 802..1188		

Seq. No.	26878	Seq. ID	OJ000122_45.0302.C30
Gene No.	55675	Strand	-
Start	780	End	1944
Name	OJ000122_45.0302.C30.o4.tw	Method	TBLASTX:Wheat
Start	470	End	589
GI	none	Score	113
Exons	470..589, 471..587		

Seq. No.	26878	Seq. ID	OJ000122_45.0302.C30
Gene No.	55675	Strand	-
Start	780	End	1944
Name	OJ000122_45.0302.C30.o2.tw	Method	TBLASTX:Wheat
Start	590	End	820
GI	none	Score	231
Exons	590..769, 591..767, 607..768, 748..801, 752..820		

Seq. No.	26878	Seq. ID	OJ000122_45.0302.C30
Gene No.	55675	Strand	-
Start	780	End	1944
Name	OJ000122_45.0302.C30.o2.tc	Method	TBLASTX:Cress
Start	774	End	1227
GI	none	Score	489
Exons	774..1217, 802..1218, 805..1227		

Seq. No.	26878	Seq. ID	OJ000122_45.0302.C30
Gene No.	55675	Strand	-
Start	780	End	1944
Name	OJ000122_45.0302.C30.o1.gp	Method	AAT/GAP
Start	780	End	1944
GI	31166_1.R1084	Score	932
Exons	780..1205, 1859..1944		
GI Descrip.	'1518540 2.0e-97 (U53418) UDP-glucose dehydrogenase [Glycine max]'		

Seq. No.	26878	Seq. ID	OJ000122_45.0302.C30
Gene No.	55675	Strand	-
Start	780	End	1944
Name	OJ000122_45.0302.C30.o1.tw	Method	TBLASTX:Wheat

Start	820	End	1197
GI	none	Score	256
Exons	820..1008, 822..1010, 981..1175, 1009..1194, 1020..1196, 1021..1197		

Seq. No.	26879	Seq. ID	OJ000122_45.0302.C31
Gene No.	55676	Strand	
Start	2	End	1063
Name	OJ000122_45.0302.C31.o1.tw	Method	TBLASTX:Wheat
Start	2	End	626
GI	none	Score	96
Exons	2..88, 3..86, 84..173, 85..180, 90..176, 92..241, 150..326, 166..327, 304..399, 312..404, 405..626, 413..625		

Seq. No.	26879	Seq. ID	OJ000122_45.0302.C31
Gene No.	55676	Strand	
Start	2	End	1063
Name	OJ000122_45.0302.C31.o2.tm	Method	TBLASTX:Maize
Start	6	End	360
GI	none	Score	60
Exons	6..68, 88..360, 105..272		

Seq. No.	26879	Seq. ID	OJ000122_45.0302.C31
Gene No.	55676	Strand	
Start	2	End	1063
Name	OJ000122_45.0302.C31.o1.tm	Method	TBLASTX:Maize
Start	414	End	742
GI	none	Score	247
Exons	414..719, 507..740, 509..742		

Seq. No.	26879	Seq. ID	OJ000122_45.0302.C31
Gene No.	55676	Strand	
Start	2	End	1063
Name	OJ000122_45.0302.C31.o1.ts	Method	TBLASTX:Soybean
Start	597	End	1061
GI	none	Score	204
Exons	597..959, 987..1061		

Seq. No.	26879	Seq. ID	OJ000122_45.0302.C31
Gene No.	55676	Strand	
Start	2	End	1063
Name	OJ000122_45.0302.C31.o2.tw	Method	TBLASTX:Wheat
Start	699	End	1063
GI	none	Score	368
Exons	699..1061, 700..855, 701..1063, 704..1063		

Seq. No.	26880	Seq. ID	OJ000122_45.0302.C33
Gene No.	55677	Strand	
Start	351	End	1234
Name	OJ000122_45.0302.C33.o1.ts	Method	TBLASTX:Soybean
Start	351	End	820
GI	none	Score	67
Exons	351..497, 353..538, 528..785, 539..820		

Seq. No.	26880	Seq. ID	OJ000122_45.0302.C33
Gene No.	55677	Strand	
Start	351	End	1234

Name	OJ000122_45.0302.C33.o2.tw	Method	TBLASTX:Wheat
Start	437	End	817
GI	none	Score	58
Exons	437..538, 441..536, 515..817, 647..763		
Seq. No.	26880	Seq. ID	OJ000122_45.0302.C33
Gene No.	55677	Strand	
Start	351	End	1234
Name	OJ000122_45.0302.C33.o1.tm	Method	TBLASTX:Maize
Start	506	End	967
GI	none	Score	329
Exons	506..967, 507..860, 703..966		
Seq. No.	26880	Seq. ID	OJ000122_45.0302.C33
Gene No.	55677	Strand	
Start	351	End	1234
Name	OJ000122_45.0302.C33.o1.tw	Method	TBLASTX:Wheat
Start	835	End	1234
GI	none	Score	207
Exons	835..1164, 836..1234, 909..1226		
Seq. No.	26880	Seq. ID	OJ000122_45.0302.C33
Gene No.	55677	Strand	
Start	351	End	1234
Name	OJ000122_45.0302.C33.o2.tm	Method	TBLASTX:Maize
Start	968	End	1183
GI	none	Score	202
Exons	968..1183, 969..1181		
Seq. No.	26881	Seq. ID	OJ000122_45.0302.C35
Gene No.	55678	Strand	
Start	454	End	999
Name	OJ000122_45.0302.C35.o2.tm	Method	TBLASTX:Maize
Start	454	End	768
GI	none	Score	184
Exons	454..768		
Seq. No.	26881	Seq. ID	OJ000122_45.0302.C35
Gene No.	55678	Strand	
Start	454	End	999
Name	OJ000122_45.0302.C35.o2.ts	Method	TBLASTX:Soybean
Start	604	End	999
GI	none	Score	211
Exons	604..999, 631..822, 705..899		
Seq. No.	26881	Seq. ID	OJ000122_45.0302.C35
Gene No.	55679	Strand	
Start	1150	End	1615
Name	OJ000122_45.0302.C35.o1.tw	Method	TBLASTX:Wheat
Start	1150	End	1562
GI	none	Score	65
Exons	1150..1251, 1272..1562		
Seq. No.	26881	Seq. ID	OJ000122_45.0302.C35
Gene No.	55679	Strand	
Start	1150	End	1615
Name	OJ000122_45.0302.C35.o1.ts	Method	TBLASTX:Soybean

Start	1338	End	1615
GI	none	Score	237
Exons	1338..1577, 1385..1468, 1544..1615		

Seq. No.	26881	Seq. ID	OJ000122_45.0302.C35
Gene No.	55679	Strand	
Start	1150	End	1615
Name	OJ000122_45.0302.C35.o1.tm	Method	TBLASTX:Maize
Start	1356	End	1595
GI	none	Score	94
Exons	1356..1433, 1406..1471, 1419..1487, 1485..1595, 1503..1595		

Seq. No.	26882	Seq. ID	OJ000122_45.0302.C37
Gene No.	55680	Strand	
Start	75	End	837
Name	OJ000122_45.0302.C37.o1.tm	Method	TBLASTX:Maize
Start	75	End	837
GI	none	Score	249
Exons	75..533, 76..405, 513..560, 594..836, 618..833, 622..837		

Seq. No.	26882	Seq. ID	OJ000122_45.0302.C37
Gene No.	55680	Strand	
Start	75	End	837
Name	OJ000122_45.0302.C37.o1.ts	Method	TBLASTX:Soybean
Start	75	End	713
GI	none	Score	43
Exons	75..413, 82..123, 148..282, 612..713		

Seq. No.	26882	Seq. ID	OJ000122_45.0302.C37
Gene No.	55680	Strand	
Start	75	End	837
Name	OJ000122_45.0302.C37.o1.tw	Method	TBLASTX:Wheat
Start	141	End	456
GI	none	Score	222
Exons	141..455, 142..456		

Seq. No.	26882	Seq. ID	OJ000122_45.0302.C37
Gene No.	55680	Strand	
Start	75	End	837
Name	OJ000122_45.0302.C37.o2.tw	Method	TBLASTX:Wheat
Start	615	End	834
GI	none	Score	131
Exons	615..833, 615..833, 616..834, 772..834		

Seq. No.	26883	Seq. ID	OJ000122_45.0302.C38
Gene No.	55681	Strand	+
Start	1352	End	1733
Name	OJ000122_45.0302.C38.o2.gp	Method	AAT/GAP
Start	1352	End	1733
GI	uC-osf1cyp033a04b1	Score	675
Exons	1352..1733		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26884	Seq. ID	OJ000122_45.0302.C44
Gene No.	55682	Strand	
Start	4403	End	5224

Name	OJ000122_45.0302.C44.o1.tm	Method	TBLASTX:Maize
Start	4403	End	5224
GI	none	Score	56
Exons	4403..4486, 4523..4573, 4626..4694, 4783..4833, 4837..4881, 4959..5168, 4975..5175, 5192..5224, 5197..5223		

Seq. No.	26884	Seq. ID	OJ000122_45.0302.C44
Gene No.	55682	Strand	
Start	4403	End	5224
Name	OJ000122_45.0302.C44.o1.tw	Method	TBLASTX:Wheat
Start	4405	End	5175
GI	none	Score	72
Exons	4405..4494, 4522..4557, 4523..4558, 4607..4681, 4608..4676, 4786..4830, 4831..4899, 4840..4908, 4956..5135, 4975..5130, 5140..5175		

Seq. No.	26884	Seq. ID	OJ000122_45.0302.C44
Gene No.	55682	Strand	
Start	4403	End	5224
Name	OJ000122_45.0302.C44.o1.tc	Method	TBLASTX:Cress
Start	4423	End	5224
GI	none	Score	68
Exons	4423..4539, 4523..4576, 4619..4693, 4620..4694, 4782..4832, 4783..4833, 4837..4881, 4959..5168, 4975..5175, 5188..5223, 5189..5224		

Seq. No.	26884	Seq. ID	OJ000122_45.0302.C44
Gene No.	55682	Strand	
Start	4403	End	5224
Name	OJ000122_45.0302.C44.o1.ts	Method	TBLASTX:Soybean
Start	4423	End	5224
GI	none	Score	70
Exons	4423..4521, 4523..4567, 4622..4675, 4626..4694, 4783..4833, 4831..4881, 4956..5177, 4975..5178, 5183..5224		

Seq. No.	26885	Seq. ID	OJ000122_45.0302.C49
Gene No.	55683	Strand	+
Start	87	End	196
Name	OJ000122_45.0302.C49.o1.gp	Method	AAT/GAP
Start	87	End	196
GI	uC-osf1cyp033a04b1	Score	208
Exons	87..196		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26886	Seq. ID	OJ000113_24.0203.C1
Gene No.	55684	Strand	-
Start	227	End	376
Name	OJ000113_24.0203.C1.o1.gs	Method	GENSCAN
Start	227	End	376
GI	none	Score	.99
Exons	227..376		

Seq. No.	26887	Seq. ID	OJ000113_24.0203.C2
Gene No.	55685	Strand	+
Start	360	End	2022
Name	OJ000113_24.0203.C2.o1.np	Method	AAT/NAP

Start	360	End	2022
GI	3859694	Score	207
Exons	360..568, 801..957, 1048..1293, 2004..2022		
GI Descrip.	(AL033497) beta-gluconase [Candida albicans]		

Seq. No.	26887	Seq. ID	OJ000113_24.0203.C2
Gene No.	55685	Strand	+
Start	360	End	2022
Name	OJ000113_24.0203.C2.o1.tm	Method	TBLASTX:Maize
Start	390	End	1810
GI	none	Score	253
Exons	390..569, 394..567, 404..571, 805..921, 810..896, 1038..1103, 1046..1102, 1110..1229, 1119..1193, 1223..1294, 1227..1295, 1275..1409, 1295..1405, 1630..1794, 1631..1810		

Seq. No.	26887	Seq. ID	OJ000113_24.0203.C2
Gene No.	55685	Strand	+
Start	360	End	2022
Name	OJ000113_24.0203.C2.o1.gs	Method	GENSCAN
Start	399	End	1707
GI	none	Score	.7
Exons	399..568, 1049..1404, 1529..1707		

Seq. No.	26887	Seq. ID	OJ000113_24.0203.C2
Gene No.	55685	Strand	+
Start	360	End	2022
Name	OJ000113_24.0203.C2.o1.ts	Method	TBLASTX:Soybean
Start	473	End	1816
GI	none	Score	149
Exons	473..571, 474..569, 799..957, 819..956, 1038..1295, 1178..1297, 1275..1409, 1295..1405, 1630..1812, 1631..1810, 1631..1816		

Seq. No.	26887	Seq. ID	OJ000113_24.0203.C2
Gene No.	55685	Strand	+
Start	360	End	2022
Name	OJ000113_24.0203.C2.o1.tw	Method	TBLASTX:Wheat
Start	800	End	1295
GI	none	Score	219
Exons	800..958, 801..968, 805..957, 1038..1118, 1046..1117, 1054..1125, 1098..1295, 1098..1205, 1160..1291		

Seq. No.	26887	Seq. ID	OJ000113_24.0203.C2
Gene No.	55685	Strand	+
Start	360	End	2022
Name	OJ000113_24.0203.C2.o2.tw	Method	TBLASTX:Wheat
Start	1298	End	1773
GI	none	Score	96
Exons	1298..1405, 1302..1409, 1627..1737, 1630..1773, 1631..1771		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55686	Strand	+
Start	519	End	7189
Name	OJ000113_24.0203.C3.o1.gs	Method	GENSCAN
Start	519	End	7189
GI	none	Score	.68
Exons	519..577, 779..867, 2593..2840, 2928..3017, 4960..5026, 5160..5377, 5471..5835, 6376..7189		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55686	Strand	+
Start	519	End	7189
Name	OJ000113_24.0203.C3.o1.np	Method	AAT/NAP
Start	1377	End	2815
GI	6721512	Score	50
Exons	1377..1466, 2783..2815		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55686	Strand	+
Start	519	End	7189
Name	OJ000113_24.0203.C3.o1.gp	Method	AAT/GAP
Start	3676	End	3968
GI	none	Score	461
Exons	3676..3968		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55686	Strand	+
Start	519	End	7189
Name	OJ000113_24.0203.C3.o2.np	Method	AAT/NAP
Start	4918	End	7177
GI	4102839	Score	1331
Exons	4918..5062, 5160..5350, 5442..5997, 6376..7177		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55687	Strand	+
Start	7619	End	16599
Name	OJ000113_24.0203.C3.o2.gs	Method	GENSCAN
Start	7619	End	16599
GI	none	Score	.68
Exons	7619..7621, 9279..9357, 9436..9488, 9912..9998, 10157..10327, 10364..11279, 11388..11688, 11694..11903, 11912..12797, 12861..12944, 13011..13187, 13217..15554, 15625..16189, 16381..16507, 16573..16599		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55687	Strand	+
Start	7619	End	16599
Name	OJ000113_24.0203.C3.o3.np	Method	AAT/NAP
Start	10941	End	16187
GI	6498441	Score	7072
Exons	10941..12003, 12334..12797, 12861..13347, 13522..14245, 14417..15812, 15906..16187		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o6.tw	Method	TBLASTX:Wheat
Start	4926	End	5302
GI	none	Score	114
Exons	4926..5072, 4939..5067, 5152..5298, 5153..5302		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o1.tc	Method	TBLASTX:Cress
Start	4951	End	7191
GI	none	Score	102
Exons	4951..5064, 5126..5344, 5153..5350, 5155..5346, 5560..5943, 5561..5944, 6374..6772, 6379..6789, 6833..7162, 6844..7017, 7054..7191		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o2.ts	Method	TBLASTX:Soybean
Start	4957	End	5350
GI	none	Score	112
Exons	4957..5061, 4960..5064, 5153..5350, 5155..5346		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o4.tm	Method	TBLASTX:Maize
Start	4959	End	5383
GI	none	Score	108
Exons	4959..5072, 4960..5067, 5153..5383, 5155..5346		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o1.tm	Method	TBLASTX:Maize
Start	5555	End	7162
GI	none	Score	149
Exons	5555..5692, 5557..5676, 5659..5718, 5663..5725, 5729..5950, 5743..5949, 6373..6789, 6374..6772, 6833..7162, 6835..7128		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o1.ts	Method	TBLASTX:Soybean
Start	5555	End	7153
GI	none	Score	279
Exons	5555..5911, 5557..5892, 6373..6408, 6374..6406, 6392..6592, 6436..6591, 6595..6789, 6596..6778, 6833..7018, 7052..7153		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o7.tw	Method	TBLASTX:Wheat
Start	6845	End	7141
GI	none	Score	236
Exons	6845..7141, 6847..7140		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o5.tw	Method	TBLASTX:Wheat

Start	11093	End	11482
GI	none	Score	54
Exons	11093..11137, 11144..11242, 11161..11241, 11209..11448, 11225..11482		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o5.tm	Method	TBLASTX:Maize
Start	11132	End	11380
GI	none	Score	197
Exons	11132..11380, 11134..11379		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o2.tw	Method	TBLASTX:Wheat
Start	12218	End	12988
GI	none	Score	394
Exons	12218..12391, 12219..12704, 12413..12673, 12792..12962, 12792..12974, 12796..12909, 12845..12988, 12854..12967		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o9.tw	Method	TBLASTX:Wheat
Start	12990	End	13172
GI	none	Score	212
Exons	12990..13172, 12992..13132		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o3.tm	Method	TBLASTX:Maize
Start	13177	End	13561
GI	none	Score	349
Exons	13177..13263, 13178..13561, 13238..13447, 13330..13530		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o1.tw	Method	TBLASTX:Wheat
Start	13234	End	13654
GI	none	Score	490
Exons	13234..13629, 13235..13654		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o3.ts	Method	TBLASTX:Soybean
Start	13313	End	13684
GI	none	Score	278
Exons	13313..13684, 13330..13473		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447

Name	OJ000113_24.0203.C3.o4.tw	Method	TBLASTX:Wheat
Start	14093	End	14551
GI	none	Score	234
Exons	14093..14347, 14117..14341, 14182..14367, 14402..14551, 14413..14550		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o4.ts	Method	TBLASTX:Soybean
Start	14240	End	14806
GI	5666795	Score	68
Exons	14240..14338, 14414..14551, 14606..14806		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o10.tw	Method	TBLASTX:Wheat
Start	14554	End	14866
GI	none	Score	186
Exons	14554..14730, 14606..14866		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o2.tm	Method	TBLASTX:Maize
Start	15059	End	15382
GI	none	Score	364
Exons	15059..15382, 15088..15369		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o3.tw	Method	TBLASTX:Wheat
Start	15196	End	15577
GI	none	Score	368
Exons	15196..15273, 15197..15577, 15200..15538, 15298..15546		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o8.tw	Method	TBLASTX:Wheat
Start	15578	End	16178
GI	none	Score	83
Exons	15578..15655, 15582..15653, 15583..15654, 15644..15859, 15645..15860, 15657..15992, 16052..16174, 16053..16178		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o6.tm	Method	TBLASTX:Maize
Start	16047	End	16190
GI	none	Score	184
Exons	16047..16190, 16052..16186		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3

Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o3.gs	Method	GENSCAN
Start	16810	End	20447
GI	none	Score	.61
Exons	16810..20053, 20218..20447		

Seq. No.	26888	Seq. ID	OJ000113_24.0203.C3
Gene No.	55688	Strand	-
Start	16810	End	20447
Name	OJ000113_24.0203.C3.o4.np	Method	AAT/NAP
Start	16813	End	20034
GI	6907089	Score	4333
Exons	16813..18670, 18774..20034		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	26889	Seq. ID	OJ000113_24.0203.C4
Gene No.	55689	Strand	+
Start	1	End	312
Name	OJ000113_24.0203.C4.o1.np	Method	AAT/NAP
Start	1	End	312
GI	5042454	Score	74
Exons	1..26, 250..312		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26889	Seq. ID	OJ000113_24.0203.C4
Gene No.	55690	Strand	+
Start	259	End	5273
Name	OJ000113_24.0203.C4.o1.gs	Method	GENSCAN
Start	259	End	5273
GI	none	Score	.69
Exons	259..429, 1264..1391, 1748..1854, 3544..3624, 3865..4007, 4110..4418, 5142..5273		

Seq. No.	26889	Seq. ID	OJ000113_24.0203.C4
Gene No.	55690	Strand	+
Start	259	End	5273
Name	OJ000113_24.0203.C4.o1.gp	Method	AAT/GAP
Start	3783	End	4418
GI	15384_1.R1084	Score	992
Exons	3783..4007, 4110..4418		
GI Descrip.	'1150406/emb|CAA86948.1| 4.0e-17 (Z46868) exo-1,3-beta-glucanase/1,3-beta-D-glucan glucanohydrolase [Pichia angusta]'		

Seq. No.	26889	Seq. ID	OJ000113_24.0203.C4
Gene No.	55690	Strand	+
Start	259	End	5273
Name	OJ000113_24.0203.C4.o1.tm	Method	TBLASTX:Maize
Start	3905	End	4364
GI	none	Score	159
Exons	3905..4015, 3906..4016, 4109..4363, 4110..4364		

Seq. No.	26889	Seq. ID	OJ000113_24.0203.C4
Gene No.	55690	Strand	+
Start	259	End	5273
Name	OJ000113_24.0203.C4.o1.ts	Method	TBLASTX:Soybean

Start	3918	End	4283
GI	none	Score	143
Exons	3918..4016, 3923..4054, 4067..4249, 4104..4283, 4109..4282		

Seq. No.	26890	Seq. ID	OJ000113_24.0203.C6
Gene No.	55691	Strand	-
Start	202	End	360
Name	OJ000113_24.0203.C6.o1.gs	Method	GENSCAN
Start	202	End	360
GI	none	Score	.7
Exons	202..360		

Seq. No.	26891	Seq. ID	OJ000113_24.0203.C7
Gene No.	55692	Strand	-
Start	691	End	708
Name	OJ000113_24.0203.C7.o2.gs	Method	GENSCAN
Start	691	End	708
GI	none	Score	.57
Exons	691..708		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55693	Strand	+
Start	4003	End	4793
Name	OJ000113_24.0203.C8.o2.np	Method	AAT/NAP
Start	4003	End	4793
GI	5091513	Score	308
Exons	4003..4169, 4205..4555, 4599..4793		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55694	Strand	+
Start	5115	End	9900
Name	OJ000113_24.0203.C8.o3.np	Method	AAT/NAP
Start	5115	End	9900
GI	6721547	Score	471
Exons	5115..5147, 6099..6354, 6957..8545, 9863..9900		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55694	Strand	+
Start	5115	End	9900
Name	OJ000113_24.0203.C8.o3.gs	Method	GENSCAN
Start	5652	End	9157
GI	none	Score	.96
Exons	5652..6424, 6934..9157		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55695	Strand	-
Start	1	End	1364
Name	OJ000113_24.0203.C8.o1.np	Method	AAT/NAP
Start	1	End	1364
GI	2792216	Score	212
Exons	1..110, 1153..1364		
GI Descrip.	(AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55696	Strand	-

Start	3913	End	4431
Name	OJ000113_24.0203.C8.o2.gs	Method	GENSCAN
Start	3913	End	4431
GI	none	Score	.75
Exons	3913..4107, 4312..4431		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55697	Strand	-
Start	8006	End	12375
Name	OJ000113_24.0203.C8.o3.tw	Method	TBLASTX:Wheat
Start	7028	End	7378
GI	none	Score	49
Exons	7028..7072, 7067..7162, 7174..7377, 7175..7378		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55697	Strand	-
Start	8006	End	12375
Name	OJ000113_24.0203.C8.o4.np	Method	AAT/NAP
Start	8006	End	12375
GI	1150406	Score	193
Exons	8006..8102, 10765..10890, 11727..11907, 12138..12375		
GI Descrip.	(Z46868) exo-1,3-beta-glucanase/1,3-beta-D-glucan glucanohydrolase [Pichia angusta]		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55697	Strand	-
Start	8006	End	12375
Name	OJ000113_24.0203.C8.o1.gp	Method	AAT/GAP
Start	9109	End	9543
GI	80174_2.R1084	Score	810
Exons	9109..9543		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-41 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55697	Strand	-
Start	8006	End	12375
Name	OJ000113_24.0203.C8.o2.gp	Method	AAT/GAP
Start	9707	End	10798
GI	none	Score	1256
Exons	9707..10164, 10559..10798		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55697	Strand	-
Start	8006	End	12375
Name	OJ000113_24.0203.C8.o4.gs	Method	GENSCAN
Start	9977	End	12307
GI	none	Score	1
Exons	9977..10164, 10559..10908, 11752..11907, 12138..12307		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55697	Strand	-
Start	8006	End	12375
Name	OJ000113_24.0203.C8.o1.tm	Method	TBLASTX:Maize
Start	9986	End	12316
GI	none	Score	125
Exons	9986..10171, 10002..10166, 10551..10850, 10860..10910,		

11809..11889, 11811..11921, 11824..11907, 12135..12302,
12137..12316, 12139..12312

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55697	Strand	-
Start	8006	End	12375
Name	OJ000113_24.0203.C8.o1.ts	Method	TBLASTX:Soybean
Start	9986	End	12233
GI	none	Score	69
Exons	9986..10171, 9997..10119, 9999..10175, 9999..10178, 10000..10185, 10539..10736, 10740..10910, 10762..10911, 11749..11907, 11751..11903, 11751..11921, 11752..11907, 12135..12233, 12137..12232		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55697	Strand	-
Start	8006	End	12375
Name	OJ000113_24.0203.C8.o1.tw	Method	TBLASTX:Wheat
Start	10023	End	10811
GI	none	Score	123
Exons	10023..10175, 10023..10088, 10025..10171, 10539..10751, 10558..10647, 10746..10811, 10760..10810		

Seq. No.	26892	Seq. ID	OJ000113_24.0203.C8
Gene No.	55697	Strand	-
Start	8006	End	12375
Name	OJ000113_24.0203.C8.o2.tw	Method	TBLASTX:Wheat
Start	10828	End	12163
GI	none	Score	96
Exons	10828..10911, 10839..10910, 11751..11906, 11751..11906, 11752..11907, 12128..12163		

Seq. No.	26893	Seq. ID	OJ000113_24.0203.C9
Gene No.	55698	Strand	+
Start	1473	End	1754
Name	OJ000113_24.0203.C9.o1.gs	Method	GENSCAN
Start	1473	End	1754
GI	none	Score	.96
Exons	1473..1754		

Seq. No.	26893	Seq. ID	OJ000113_24.0203.C9
Gene No.	55699	Strand	-
Start	2432	End	4604
Name	OJ000113_24.0203.C9.o2.gs	Method	GENSCAN
Start	2432	End	4604
GI	none	Score	.45
Exons	2432..2552, 3635..3907, 4534..4604		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55700	Strand	+
Start	1	End	7759
Name	OJ000113_24.0203.C10.o1.np	Method	AAT/NAP
Start	1	End	7685
GI	5852180	Score	306
Exons	1..25, 6215..6304, 7312..7685		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55700	Strand	+
Start	1	End	7759
Name	OJ000113_24.0203.C10.o1.gs	Method	GENSCAN
Start	1620	End	1733
GI	none	Score	.7
Exons	1620..1733		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55700	Strand	+
Start	1	End	7759
Name	OJ000113_24.0203.C10.o3.gs	Method	GENSCAN
Start	4687	End	7759
GI	none	Score	.65
Exons	4687..4753, 6153..6255, 7051..7193, 7374..7759		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55700	Strand	+
Start	1	End	7759
Name	OJ000113_24.0203.C10.o1.gp	Method	AAT/GAP
Start	5641	End	5951
GI	61605_3.R1084	Score	451
Exons	5641..5951		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55701	Strand	+
Start	13830	End	14597
Name	OJ000113_24.0203.C10.o3.np	Method	AAT/NAP
Start	13830	End	14597
GI	4996642	Score	1016
Exons	13830..14597		
GI Descrip.	(AB028130) Dof zinc finger protein [Oryza sativa]		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55702	Strand	-
Start	3070	End	3461
Name	OJ000113_24.0203.C10.o2.gs	Method	GENSCAN
Start	3070	End	3461
GI	none	Score	.84
Exons	3070..3087, 3369..3461		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55703	Strand	-
Start	5366	End	15885
Name	OJ000113_24.0203.C10.o2.np	Method	AAT/NAP
Start	5366	End	10996
GI	5042447	Score	426
Exons	5366..5384, 8823..9567, 10925..10996		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55703	Strand	-
Start	5366	End	15885
Name	OJ000113_24.0203.C10.o2.gp	Method	AAT/GAP
Start	6474	End	6901

GI	2428185	Score	837
Exons	6474..6901		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55703	Strand	-
Start	5366	End	15885
Name	OJ000113_24.0203.C10.o3.gp	Method	AAT/GAP
Start	6917	End	7809
GI	101153_1.R1084	Score	997
Exons	6917..7147, 7465..7809		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55703	Strand	-
Start	5366	End	15885
Name	OJ000113_24.0203.C10.o4.gs	Method	GENSCAN
Start	8768	End	15885
GI	none	Score	.64
Exons	8768..9558, 9883..9990, 12132..12241, 12673..12758, 13614..13743, 13838..13963, 14034..14369, 15082..15448, 15792..15885		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55703	Strand	-
Start	5366	End	15885
Name	OJ000113_24.0203.C10.o1.tw	Method	TBLASTX:Wheat
Start	9131	End	9487
GI	none	Score	143
Exons	9131..9487, 9297..9473		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55703	Strand	-
Start	5366	End	15885
Name	OJ000113_24.0203.C10.o1.tm	Method	TBLASTX:Maize
Start	9188	End	9487
GI	none	Score	42
Exons	9188..9487, 9200..9262, 9303..9473		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55703	Strand	-
Start	5366	End	15885
Name	OJ000113_24.0203.C10.o4.gp	Method	AAT/GAP
Start	9940	End	10232
GI	61605_3.R1084	Score	214
Exons	9940..9977, 10061..10232		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55703	Strand	-
Start	5366	End	15885
Name	OJ000113_24.0203.C10.o5.gp	Method	AAT/GAP
Start	13838	End	14712
GI	4996641	Score	1377

Exons	13838..14712		
GI Descrip.	4996642/dbj|BAA78573.1| 1.0e-108 (AB028130) Dof zinc finger protein [Oryza sativa]		
Seq. No.	26894	Seq. ID	OJ000113_24.0203.C10
Gene No.	55703	Strand	-
Start	5366	End	15885
Name	OJ000113_24.0203.C10.o2.tm	Method	TBLASTX:Maize
Start	13921	End	14328
GI	none	Score	81
Exons	13921..14040, 13940..14125, 13941..14012, 13952..14041, 14042..14143, 14140..14259, 14143..14187, 14203..14226, 14225..14275, 14232..14258, 14290..14328		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55704	Strand	+
Start	17268	End	25991
Name	OJ000113_24.0203.C11.o4.gs	Method	GENSCAN
Start	17268	End	25991
GI	none	Score	.52
Exons	17268..17380, 17484..17534, 20296..20789, 20810..20976, 21911..22048, 22393..22491, 22548..22713, 23284..23516, 23851..23896, 24368..24583, 25119..25318, 25674..25991		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55705	Strand	-
Start	6069	End	8109
Name	OJ000113_24.0203.C11.o2.gs	Method	GENSCAN
Start	6069	End	7151
GI	none	Score	.68
Exons	6069..7151		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55705	Strand	-
Start	6069	End	8109
Name	OJ000113_24.0203.C11.o1.np	Method	AAT/NAP
Start	6072	End	8109
GI	6573771	Score	311
Exons	6072..6125, 6174..6740, 8028..8109		
GI Descrip.	(AC009243) F28K19.29 [Arabidopsis thaliana]		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55706	Strand	-
Start	12485	End	15119
Name	OJ000113_24.0203.C11.o1.gp	Method	AAT/GAP
Start	12285	End	15119
GI	39125_1.R1084	Score	1345
Exons	12285..12816, 14906..15119		
GI Descrip.	'4584110/emb|CAB40579.1| 7.0e-38 (AJ133639) SAH7 protein [Arabidopsis thaliana]'		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55706	Strand	-
Start	12485	End	15119
Name	OJ000113_24.0203.C11.o3.gs	Method	GENSCAN
Start	12485	End	15092
GI	none	Score	.73

Exons	12485..12816, 14906..15092		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55706	Strand	-
Start	12485	End	15119
Name	OJ000113_24.0203.C11.o2.np	Method	AAT/NAP
Start	12491	End	15068
GI	6561156	Score	312
Exons	12491..12816, 14906..15068		
GI Descrip.	(AF109693) allergen-like protein BRSn20 [Sambucus nigra]		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55707	Strand	-
Start	23620	End	25994
Name	OJ000113_24.0203.C11.o1.ts	Method	TBLASTX:Soybean
Start	6078	End	6684
GI	none	Score	68
Exons	6078..6137, 6477..6671, 6489..6572, 6598..6684		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55707	Strand	-
Start	23620	End	25994
Name	OJ000113_24.0203.C11.o2.tm	Method	TBLASTX:Maize
Start	6432	End	6684
GI	none	Score	72
Exons	6432..6674, 6436..6504, 6456..6572, 6598..6684		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55707	Strand	-
Start	23620	End	25994
Name	OJ000113_24.0203.C11.o1.tc	Method	TBLASTX:Cress
Start	6471	End	6674
GI	none	Score	91
Exons	6471..6671, 6598..6672, 6618..6674		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55707	Strand	-
Start	23620	End	25994
Name	OJ000113_24.0203.C11.o1.tm	Method	TBLASTX:Maize
Start	12485	End	14955
GI	none	Score	167
Exons	12485..12817, 12487..12675, 12489..12818, 14904..14954, 14905..14955		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55707	Strand	-
Start	23620	End	25994
Name	OJ000113_24.0203.C11.o2.tc	Method	TBLASTX:Cress
Start	12494	End	14999
GI	none	Score	106
Exons	12494..12820, 14904..14999, 14905..14982		
Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55707	Strand	-
Start	23620	End	25994
Name	OJ000113_24.0203.C11.o2.ts	Method	TBLASTX:Soybean
Start	12494	End	15002

GI	none	Score	89
Exons	12494..12817, 12498..12677, 14890..14982, 14904..15002		

Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55707	Strand	-
Start	23620	End	25994
Name	OJ000113_24.0203.C11.o3.np	Method	AAT/NAP
Start	23620	End	25494
GI	6721512	Score	81
Exons	23620..23760, 23788..23905, 25102..25239, 25462..25494		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55707	Strand	-
Start	23620	End	25994
Name	OJ000113_24.0203.C11.o3.tm	Method	TBLASTX:Maize
Start	25162	End	25991
GI	none	Score	113
Exons	25162..25269, 25168..25272, 25190..25318, 25673..25891, 25674..25892, 25872..25991, 25874..25978		

Seq. No.	26895	Seq. ID	OJ000113_24.0203.C11
Gene No.	55707	Strand	-
Start	23620	End	25994
Name	OJ000113_24.0203.C11.o3.ts	Method	TBLASTX:Soybean
Start	25190	End	25994
GI	none	Score	62
Exons	25190..25228, 25673..25828, 25674..25994		

Seq. No.	26896	Seq. ID	OJ000113_24.0203.C13
Gene No.	55708	Strand	+
Start	1	End	1381
Name	OJ000113_24.0203.C13.o1.np	Method	AAT/NAP
Start	1	End	1381
GI	1150406	Score	91
Exons	1..25, 185..349, 442..686, 1362..1381		
GI Descrip.	(Z46868) exo-1,3-beta-glucanase/1,3-beta-D-glucan glucanohydrolase [Pichia angusta]		

Seq. No.	26896	Seq. ID	OJ000113_24.0203.C13
Gene No.	55708	Strand	+
Start	1	End	1381
Name	OJ000113_24.0203.C13.o1.tw	Method	TBLASTX:Wheat
Start	184	End	697
GI	none	Score	235
Exons	184..291, 185..349, 186..350, 187..351, 431..508, 439..525, 447..515, 514..588, 522..587, 527..697, 616..696		

Seq. No.	26896	Seq. ID	OJ000113_24.0203.C13
Gene No.	55708	Strand	+
Start	1	End	1381
Name	OJ000113_24.0203.C13.o1.gs	Method	GENSCAN
Start	185	End	794
GI	none	Score	.87
Exons	185..340, 442..794		

Seq. No.	26896	Seq. ID	OJ000113_24.0203.C13

Gene No.	55708	Strand	+
Start	1	End	1381
Name	OJ000113_24.0203.C13.o1.tm	Method	TBLASTX:Maize
Start	185	End	601
GI	none	Score	236
Exons	185..340, 186..341, 431..601,	439..588	

Seq. No.	26896	Seq. ID	OJ000113_24.0203.C13
Gene No.	55708	Strand	+
Start	1	End	1381
Name	OJ000113_24.0203.C13.o1.ts	Method	TBLASTX:Soybean
Start	224	End	766
GI	none	Score	143
Exons	224..340, 225..350, 431..766,	439..765	

Seq. No.	26896	Seq. ID	OJ000113_24.0203.C13
Gene No.	55708	Strand	+
Start	1	End	1381
Name	OJ000113_24.0203.C13.o2.tm	Method	TBLASTX:Maize
Start	683	End	1381
GI	none	Score	104
Exons	683..799, 1215..1367, 1225..1380, 1234..1380, 1250..1381		

Seq. No.	26896	Seq. ID	OJ000113_24.0203.C13
Gene No.	55708	Strand	+
Start	1	End	1381
Name	OJ000113_24.0203.C13.o2.tw	Method	TBLASTX:Wheat
Start	704	End	1380
GI	none	Score	94
Exons	704..799, 715..795, 760..801,	1224..1376, 1225..1380, 1234..1380	

Seq. No.	26896	Seq. ID	OJ000113_24.0203.C13
Gene No.	55708	Strand	+
Start	1	End	1381
Name	OJ000113_24.0203.C13.o2.ts	Method	TBLASTX:Soybean
Start	1215	End	1380
GI	none	Score	207
Exons	1215..1373, 1225..1380, 1234..1380		

Seq. No.	26897	Seq. ID	OJ000113_24.0203.C14
Gene No.	55709	Strand	
Start	1	End	171
Name	OJ000113_24.0203.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	169
GI	none	Score	156
Exons	1..150, 3..149, 8..169		

Seq. No.	26897	Seq. ID	OJ000113_24.0203.C14
Gene No.	55709	Strand	
Start	1	End	171
Name	OJ000113_24.0203.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	150
GI	none	Score	105
Exons	1..150, 3..149		

Seq. No.	26897	Seq. ID	OJ000113_24.0203.C14
Gene No.	55709	Strand	

Start	1	End	171
Name	OJ000113_24.0203.C14.o1.tw	Method	TBLASTX:Wheat
Start	7	End	171
GI	none	Score	166
Exons	7..171, 7..117, 9..149		

Seq. No.	26898	Seq. ID	OJ000113_26.0209.C2
Gene No.	55710	Strand	+
Start	498	End	584
Name	OJ000113_26.0209.C2.o1.gs	Method	GENSCAN
Start	498	End	584
GI	none	Score	.46
Exons	498..584		

Seq. No.	26899	Seq. ID	OJ000113_26.0209.C3
Gene No.	55711	Strand	+
Start	242	End	1585
Name	OJ000113_26.0209.C3.o1.gs	Method	GENSCAN
Start	242	End	1585
GI	none	Score	.45
Exons	242..539, 545..884, 1497..1585		

Seq. No.	26899	Seq. ID	OJ000113_26.0209.C3
Gene No.	55712	Strand	-
Start	56	End	5454
Name	OJ000113_26.0209.C3.o1.np	Method	AAT/NAP
Start	56	End	2941
GI	134889	Score	47
Exons	56..92, 2657..2941		
GI Descrip.	SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68) gi|108065|pir||S12981 68K protein - gray wolf gi|227342|prf||1702226A SRP68 protein [Canis familiaris]		

Seq. No.	26899	Seq. ID	OJ000113_26.0209.C3
Gene No.	55712	Strand	-
Start	56	End	5454
Name	OJ000113_26.0209.C3.o2.gs	Method	GENSCAN
Start	2601	End	5454
GI	none	Score	.77
Exons	2601..2746, 2847..3103, 4928..5006, 5400..5454		

Seq. No.	26900	Seq. ID	OJ000113_26.0209.C4
Gene No.	55713	Strand	+
Start	525	End	1568
Name	OJ000113_26.0209.C4.o1.gs	Method	GENSCAN
Start	525	End	1568
GI	none	Score	.89
Exons	525..574, 1367..1568		

Seq. No.	26900	Seq. ID	OJ000113_26.0209.C4
Gene No.	55714	Strand	-
Start	1943	End	2767
Name	OJ000113_26.0209.C4.o2.gs	Method	GENSCAN
Start	1943	End	2767
GI	none	Score	.75
Exons	1943..2094, 2704..2767		

Seq. No.	26900	Seq. ID	OJ000113_26.0209.C4
Gene No.	55715	Strand	-
Start	4961	End	5224
Name	OJ000113_26.0209.C4.o3.gs	Method	GENSCAN
Start	4961	End	5224
GI	none	Score	1
Exons	4961..5224		

Seq. No.	26901	Seq. ID	OJ000113_26.0209.C5
Gene No.	55716	Strand	-
Start	1217	End	1940
Name	OJ000113_26.0209.C5.o1.np	Method	AAT/NAP
Start	1217	End	1940
GI	6069646	Score	347
Exons	1217..1940		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26901	Seq. ID	OJ000113_26.0209.C5
Gene No.	55717	Strand	-
Start	2616	End	2731
Name	OJ000113_26.0209.C5.o1.tm	Method	TBLASTX:Maize
Start	1246	End	1834
GI	none	Score	49
Exons	1246..1389, 1251..1382, 1400..1492, 1461..1697, 1481..1729, 1481..1693, 1485..1694, 1703..1834		

Seq. No.	26901	Seq. ID	OJ000113_26.0209.C5
Gene No.	55717	Strand	-
Start	2616	End	2731
Name	OJ000113_26.0209.C5.o1.tw	Method	TBLASTX:Wheat
Start	1344	End	1694
GI	none	Score	79
Exons	1344..1382, 1505..1690, 1554..1694		

Seq. No.	26901	Seq. ID	OJ000113_26.0209.C5
Gene No.	55717	Strand	-
Start	2616	End	2731
Name	OJ000113_26.0209.C5.o2.gs	Method	GENSCAN
Start	2616	End	2731
GI	none	Score	.5
Exons	2616..2731		

Seq. No.	26902	Seq. ID	OJ000113_26.0209.C6
Gene No.	55718	Strand	+
Start	1	End	1377
Name	OJ000113_26.0209.C6.o1.np	Method	AAT/NAP
Start	1	End	1377
GI	6063554	Score	171
Exons	1..31, 539..566, 1203..1377		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26902	Seq. ID	OJ000113_26.0209.C6
Gene No.	55719	Strand	+
Start	1336	End	2024
Name	OJ000113_26.0209.C6.o1.gp	Method	AAT/GAP
Start	1336	End	1941
GI	3761363	Score	879
Exons	1336..1941		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	26902	Seq. ID	OJ000113_26.0209.C6
Gene No.	55719	Strand	+
Start	1336	End	2024
Name	OJ000113_26.0209.C6.o2.gp	Method	AAT/GAP
Start	1751	End	2024
GI	61605_1.R1084	Score	465
Exons	1751..2024		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	26902	Seq. ID	OJ000113_26.0209.C6
Gene No.	55720	Strand	-
Start	510	End	3895
Name	OJ000113_26.0209.C6.o1.gs	Method	GENSCAN
Start	510	End	3895
GI	none	Score	.55
Exons	510..635, 1463..1539, 2445..2473, 2994..3073, 3305..3420, 3478..3895		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55721	Strand	+
Start	380	End	498
Name	OJ000113_26.0209.C7.o1.gp	Method	AAT/GAP
Start	380	End	498
GI	5867_1.R1084	Score	115
Exons	380..498		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55722	Strand	+
Start	2422	End	2846
Name	OJ000113_26.0209.C7.o2.gp	Method	AAT/GAP
Start	2422	End	2846
GI	none	Score	817
Exons	2422..2846		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55723	Strand	+
Start	7254	End	13402
Name	OJ000113_26.0209.C7.o2.gs	Method	GENSCAN
Start	7254	End	13402

GI	none	Score	.49
Exons	7254..7264, 7269..7585, 7908..7986, 8166..8901, 9303..9408, 9715..9794, 10274..10351, 12617..12997, 13145..13402		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55723	Strand	+
Start	7254	End	13402
Name	OJ000113_26.0209.C7.o4.gp	Method	AAT/GAP
Start	12305	End	12376
GI	uC-osroM202024h08a1	Score	80
Exons	12305..12376		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55724	Strand	-
Start	2969	End	3349
Name	OJ000113_26.0209.C7.o3.gp	Method	AAT/GAP
Start	2969	End	3349
GI	LIB3431-029-P1-N1-A3	Score	667
Exons	2969..3349		
GI Descrip.	'4585992/gb|AAD25628.1|AC005287_30 6.0e-15 (AC005287) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o7.tm	Method	TBLASTX:Maize
Start	1558	End	1928
GI	none	Score	146
Exons	1558..1764, 1591..1764, 1629..1769, 1771..1851, 1772..1861, 1773..1859, 1887..1928, 1889..1921		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o6.tm	Method	TBLASTX:Maize
Start	2677	End	3021
GI	none	Score	53
Exons	2677..2739, 2681..2731, 2851..2955, 2889..2933, 2934..2966, 2935..3003, 2968..3006, 3007..3021		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o1.ts	Method	TBLASTX:Soybean
Start	2866	End	3096
GI	none	Score	375
Exons	2866..3096, 2889..2963, 3009..3092		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o1.tc	Method	TBLASTX:Cress
Start	2971	End	3144
GI	none	Score	252
Exons	2971..3144, 3009..3119		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o9.tm	Method	TBLASTX:Maize
Start	13680	End	13923
GI	none	Score	40
Exons	13680..13709, 13680..13718, 13711..13893, 13711..13923		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o3.gs	Method	GENSCAN
Start	13684	End	17227
GI	none	Score	.52
Exons	13684..15242, 15258..16014, 16050..17227		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o1.np	Method	AAT/NAP
Start	13687	End	17275
GI	4680179	Score	4902
Exons	13687..17087, 17115..17275		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o5.tw	Method	TBLASTX:Wheat
Start	13732	End	14065
GI	none	Score	41
Exons	13732..14064, 13925..13972, 13960..14061, 13991..14065		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o1.tm	Method	TBLASTX:Maize
Start	13927	End	14511
GI	none	Score	211
Exons	13927..14352, 14051..14353, 14348..14503, 14350..14511, 14357..14503, 14359..14505		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o1.tw	Method	TBLASTX:Wheat
Start	14065	End	14691
GI	none	Score	369
Exons	14065..14691, 14066..14689		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o3.tm	Method	TBLASTX:Maize
Start	14560	End	14851
GI	none	Score	290

Exons	14560..14850, 14564..14851		
Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o3.ts	Method	TBLASTX:Soybean
Start	14650	End	14910
GI	none	Score	174
Exons	14650..14910, 14651..14908		
Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o3.tw	Method	TBLASTX:Wheat
Start	14698	End	15234
GI	none	Score	280
Exons	14698..15234, 14699..14980, 14704..15144, 15002..15232		
Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o2.tm	Method	TBLASTX:Maize
Start	15265	End	15618
GI	none	Score	49
Exons	15265..15618, 15272..15304, 15280..15612, 15350..15613		
Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o2.tw	Method	TBLASTX:Wheat
Start	15265	End	15691
GI	none	Score	239
Exons	15265..15642, 15265..15690, 15272..15691		
Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o4.ts	Method	TBLASTX:Soybean
Start	15436	End	15681
GI	none	Score	209
Exons	15436..15681		
Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o5.tm	Method	TBLASTX:Maize
Start	15620	End	15957
GI	none	Score	153
Exons	15620..15904, 15625..15957		
Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o6.tw	Method	TBLASTX:Wheat
Start	15692	End	15966
GI	none	Score	254
Exons	15692..15946, 15692..15952, 15694..15954, 15724..15966		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o2.ts	Method	TBLASTX:Soybean
Start	15706	End	16100
GI	none	Score	168
Exons	15706..15957, 15716..15946, 15763..15960, 16012..16047, 16044..16100, 16068..16100		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o4.tm	Method	TBLASTX:Maize
Start	16012	End	16458
GI	none	Score	100
Exons	16012..16047, 16080..16382, 16083..16454, 16276..16458		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o4.tw	Method	TBLASTX:Wheat
Start	16047	End	16527
GI	none	Score	193
Exons	16047..16523, 16083..16412, 16234..16527		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o5.ts	Method	TBLASTX:Soybean
Start	16173	End	16487
GI	none	Score	191
Exons	16173..16487		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o7.tw	Method	TBLASTX:Wheat
Start	16662	End	17009
GI	none	Score	242
Exons	16662..17009		

Seq. No.	26903	Seq. ID	OJ000113_26.0209.C7
Gene No.	55725	Strand	-
Start	13684	End	17275
Name	OJ000113_26.0209.C7.o8.tm	Method	TBLASTX:Maize
Start	16743	End	17063
GI	none	Score	194
Exons	16743..17063		

Seq. No.	26904	Seq. ID	OJ000113_26.0209.C8
Gene No.	55726	Strand	-
Start	8	End	360
Name	OJ000113_26.0209.C8.o1.gs	Method	GENSCAN
Start	8	End	360
GI	none	Score	.7
Exons	8..216, 247..360		

Seq. No.	26905	Seq. ID	OJ000113_26.0209.C11
Gene No.	55727	Strand	+
Start	125	End	197
Name	OJ000113_26.0209.C11.o1.gs	Method	GENSCAN
Start	125	End	197
GI	none	Score	.53
Exons	125..197		

Seq. No.	26906	Seq. ID	OJ000113_26.0209.C12
Gene No.	55728	Strand	+
Start	568	End	753
Name	OJ000113_26.0209.C12.o1.tm	Method	TBLASTX:Maize
Start	552	End	753
GI	none	Score	291
Exons	552..743, 553..753, 554..751		

Seq. No.	26906	Seq. ID	OJ000113_26.0209.C12
Gene No.	55728	Strand	+
Start	568	End	753
Name	OJ000113_26.0209.C12.o1.np	Method	AAT/NAP
Start	568	End	753
GI	932	Score	54
Exons	568..753		
GI Descrip.	(X53744) 68kDA subunit of signal recognition particle [Canis familiaris]		

Seq. No.	26907	Seq. ID	OJ000113_26.0209.C13
Gene No.	55729	Strand	-
Start	1	End	601
Name	OJ000113_26.0209.C13.o1.np	Method	AAT/NAP
Start	1	End	601
GI	4454035	Score	187
Exons	1..58, 199..320, 559..601		
GI Descrip.	(AL035394) polyprenyltransferase like protein [Arabidopsis thaliana]		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55730	Strand	+
Start	6120	End	9356
Name	OJ000113_26.0209.C14.o2.gs	Method	GENSCAN
Start	6120	End	9356
GI	none	Score	.96
Exons	6120..9356		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55730	Strand	+
Start	6120	End	9356
Name	OJ000113_26.0209.C14.o2.np	Method	AAT/NAP
Start	6120	End	9353
GI	6907089	Score	4146
Exons	6120..7381, 7475..9353		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55731	Strand	+
Start	16202	End	16592

Name	OJ000113_26.0209.C14.o4.np	Method	AAT/NAP
Start	16202	End	16592
GI	5922623	Score	90
Exons	16202..16358, 16548..16592		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55732	Strand	-
Start	2416	End	4946
Name	OJ000113_26.0209.C14.o1.gs	Method	GENSCAN
Start	2416	End	4946
GI	none	Score	.5
Exons	2416..2976, 4470..4642, 4865..4946		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55733	Strand	-
Start	9973	End	16407
Name	OJ000113_26.0209.C14.o3.gs	Method	GENSCAN
Start	9973	End	16407
GI	none	Score	.72
Exons	9973..13701, 13780..16143, 16199..16407		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55733	Strand	-
Start	9973	End	16407
Name	OJ000113_26.0209.C14.o3.np	Method	AAT/NAP
Start	9976	End	15622
GI	6498441	Score	6805
Exons	9976..10257, 10351..11748, 11920..12317, 12510..12835, 13010..13144, 13328..13701, 13765..14228, 14559..15622		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o4.tm	Method	TBLASTX:Maize
Start	2034	End	2797
GI	none	Score	44
Exons	2034..2228, 2429..2476, 2468..2608, 2470..2628, 2470..2628, 2470..2628, 2605..2739, 2606..2737, 2615..2713, 2630..2737, 2765..2797		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o5.tm	Method	TBLASTX:Maize
Start	9946	End	10116
GI	none	Score	125
Exons	9946..10116, 9947..10111		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422

Name	OJ000113_26.0209.C14.o6.tw	Method	TBLASTX:Wheat
Start	9985	End	10587
GI	none	Score	83
Exons	9985..10110, 9989..10111, 10141..10200, 10296..10586, 10297..10587, 10304..10582		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o4.tw	Method	TBLASTX:Wheat
Start	10588	End	10969
GI	none	Score	165
Exons	10588..10968, 10619..10867, 10913..10969		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o3.tm	Method	TBLASTX:Maize
Start	10783	End	11106
GI	none	Score	200
Exons	10783..11106, 10796..11089		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o8.tw	Method	TBLASTX:Wheat
Start	11299	End	11611
GI	none	Score	66
Exons	11299..11559, 11435..11611		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o2.ts	Method	TBLASTX:Soybean
Start	11359	End	11925
GI	5666795	Score	68
Exons	11359..11559, 11614..11751, 11827..11925		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o5.tw	Method	TBLASTX:Wheat
Start	11614	End	12072
GI	none	Score	92
Exons	11614..11754, 11615..11752, 11810..11983, 11824..12072, 11824..12048		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o7.tw	Method	TBLASTX:Wheat
Start	12473	End	15474
GI	none	Score	95
Exons	12473..12550, 15082..15339, 15116..15355, 15322..15420, 15323..15403, 15427..15474		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o1.ts	Method	TBLASTX:Soybean
Start	12673	End	13044
GI	none	Score	90
Exons	12673..13044, 12884..13027		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o2.tw	Method	TBLASTX:Wheat
Start	12698	End	13122
GI	none	Score	330
Exons	12698..13117, 12703..13122		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o2.tm	Method	TBLASTX:Maize
Start	12796	End	13180
GI	none	Score	221
Exons	12796..13179, 12815..13180		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o1.tm	Method	TBLASTX:Maize
Start	13207	End	13563
GI	none	Score	112
Exons	13207..13512, 13207..13563, 13217..13528		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o1.tw	Method	TBLASTX:Wheat
Start	13231	End	13693
GI	none	Score	400
Exons	13231..13692, 13232..13693		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o3.ts	Method	TBLASTX:Soybean
Start	13288	End	13653
GI	none	Score	117
Exons	13288..13422, 13429..13653		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o3.tw	Method	TBLASTX:Wheat
Start	13861	End	14344
GI	none	Score	70
Exons	13861..14343, 13915..14079, 13916..14149, 14171..14344		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14

Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o6.tm	Method	TBLASTX:Maize
Start	15184	End	15469
GI	none	Score	64
Exons	15184..15468, 15184..15432, 15185..15469		

Seq. No.	26908	Seq. ID	OJ000113_26.0209.C14
Gene No.	55734	Strand	-
Start	16354	End	16422
Name	OJ000113_26.0209.C14.o5.np	Method	AAT/NAP
Start	16354	End	16422
GI	5042454	Score	72
Exons	16354..16422		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	26909	Seq. ID	OJ000113_26.0209.C15
Gene No.	55735	Strand	-
Start	2602	End	3573
Name	OJ000113_26.0209.C15.o1.gp	Method	AAT/GAP
Start	2602	End	3573
GI	none	Score	1243
Exons	2602..2875, 3195..3573		

Seq. No.	26909	Seq. ID	OJ000113_26.0209.C15
Gene No.	55736	Strand	-
Start	3837	End	4118
Name	OJ000113_26.0209.C15.o1.tm	Method	TBLASTX:Maize
Start	3442	End	3929
GI	none	Score	110
Exons	3442..3570, 3501..3572, 3652..3756, 3654..3773, 3840..3929, 3844..3927		

Seq. No.	26909	Seq. ID	OJ000113_26.0209.C15
Gene No.	55736	Strand	-
Start	3837	End	4118
Name	OJ000113_26.0209.C15.o1.np	Method	AAT/NAP
Start	3837	End	4118
GI	4454035	Score	229
Exons	3837..3980, 4066..4118		
GI Descrip.	(AL035394) polyprenyltransferase like protein [Arabidopsis thaliana]		

Seq. No.	26910	Seq. ID	OJ000113_26.0209.C16
Gene No.	55737	Strand	-
Start	1	End	2866
Name	OJ000113_26.0209.C16.o1.np	Method	AAT/NAP
Start	1	End	2866
GI	6016874	Score	759
Exons	1..136, 602..803, 883..1127, 1241..1414, 1798..1957, 2344..2742, 2803..2866		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	26910	Seq. ID	OJ000113_26.0209.C16
Gene No.	55737	Strand	-

Start	1	End	2866
Name	OJ000113_26.0209.C16.o2.tm	Method	TBLASTX:Maize
Start	1742	End	1969
GI	none	Score	66
Exons	1742..1969, 1815..1961		

Seq. No.	26910	Seq. ID	OJ000113_26.0209.C16
Gene No.	55737	Strand	-
Start	1	End	2866
Name	OJ000113_26.0209.C16.o1.tm	Method	TBLASTX:Maize
Start	2059	End	2340
GI	none	Score	221
Exons	2059..2340		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o1.np	Method	AAT/NAP
Start	519	End	3749
GI	4680203	Score	1705
Exons	519..2259, 2416..2633, 2910..3749		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o2.tw	Method	TBLASTX:Wheat
Start	1014	End	1607
GI	none	Score	230
Exons	1014..1304, 1016..1306, 1362..1478, 1365..1463, 1482..1607, 1499..1606		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o1.ts	Method	TBLASTX:Soybean
Start	1182	End	1622
GI	none	Score	108
Exons	1182..1304, 1187..1303, 1347..1622, 1382..1621		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o2.tc	Method	TBLASTX:Cress
Start	1371	End	1703
GI	none	Score	288
Exons	1371..1703, 1457..1507, 1541..1648		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o2.tm	Method	TBLASTX:Maize
Start	1509	End	1994
GI	none	Score	102
Exons	1509..1613, 1517..1612, 1616..1708, 1620..1709, 1777..1812, 1806..1853, 1854..1901, 1901..1990, 1905..1994		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o3.tw	Method	TBLASTX:Wheat
Start	1608	End	1943
GI	none	Score	57
Exons	1608..1649, 1653..1751, 1655..1750, 1797..1895, 1808..1879, 1905..1943		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o1.tm	Method	TBLASTX:Maize
Start	2499	End	2882
GI	none	Score	59
Exons	2499..2567, 2567..2881, 2568..2882		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o1.tw	Method	TBLASTX:Wheat
Start	2523	End	3656
GI	none	Score	551
Exons	2523..3239, 2576..3151, 3248..3430, 3258..3446, 3423..3524, 3434..3553, 3555..3656, 3557..3649		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o1.tc	Method	TBLASTX:Cress
Start	2814	End	3239
GI	none	Score	317
Exons	2814..3239, 2822..3151		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o3.tm	Method	TBLASTX:Maize
Start	3132	End	3422
GI	none	Score	146
Exons	3132..3302, 3180..3296, 3314..3421, 3315..3422		

Seq. No.	26911	Seq. ID	OJ000113_26.0209.C17
Gene No.	55738	Strand	+
Start	519	End	3749
Name	OJ000113_26.0209.C17.o2.ts	Method	TBLASTX:Soybean
Start	3503	End	3716
GI	none	Score	187
Exons	3503..3685, 3504..3716		

Seq. No.	26912	Seq. ID	OJ000113_26.0209.C18
Gene No.	55739	Strand	+
Start	922	End	8777
Name	OJ000113_26.0209.C18.o1.gs	Method	GENSCAN
Start	922	End	8777
GI	none	Score	.47
Exons	922..1531, 2555..2855, 3178..3429, 3710..3791, 4066..4232,		

4534..4701, 5396..5480, 6416..6530, 6727..7005, 7740..7798,
8419..8572, 8710..8777

Seq. No.	26912	Seq. ID	OJ000113_26.0209.C18
Gene No.	55740	Strand	-
Start	8166	End	13068
Name	OJ000113_26.0209.C18.o1.np	Method	AAT/NAP
Start	8166	End	10389
GI	6907086	Score	486
Exons	8166..8255, 8347..8570, 8714..9050, 9111..9816, 10320..10389		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	26912	Seq. ID	OJ000113_26.0209.C18
Gene No.	55740	Strand	-
Start	8166	End	13068
Name	OJ000113_26.0209.C18.o2.gs	Method	GENSCAN
Start	9111	End	10988
GI	none	Score	.88
Exons	9111..9591, 10288..10442, 10962..10988		

Seq. No.	26912	Seq. ID	OJ000113_26.0209.C18
Gene No.	55740	Strand	-
Start	8166	End	13068
Name	OJ000113_26.0209.C18.o2.np	Method	AAT/NAP
Start	10144	End	13068
GI	4680186	Score	168
Exons	10144..10166, 10790..10960, 11561..11690, 13008..13068		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	26912	Seq. ID	OJ000113_26.0209.C18
Gene No.	55741	Strand	-
Start	12999	End	13195
Name	OJ000113_26.0209.C18.o3.gs	Method	GENSCAN
Start	12999	End	13195
GI	none	Score	.56
Exons	12999..13195		

Seq. No.	26913	Seq. ID	OJ000113_26.0209.C19
Gene No.	55742	Strand	
Start	474	End	741
Name	OJ000113_26.0209.C19.o1.tc	Method	TBLASTX:Cress
Start	474	End	741
GI	none	Score	116
Exons	474..518, 529..705, 550..741, 555..707		

Seq. No.	26913	Seq. ID	OJ000113_26.0209.C19
Gene No.	55742	Strand	
Start	474	End	741
Name	OJ000113_26.0209.C19.o1.tm	Method	TBLASTX:Maize
Start	499	End	738
GI	none	Score	206
Exons	499..738, 516..722, 517..726		

Seq. No.	26914	Seq. ID	OJ000113_26.0209.C22
Gene No.	55743	Strand	+
Start	1690	End	1842
Name	OJ000113_26.0209.C22.o1.gs	Method	GENSCAN

Start	1690	End	1842
GI	none	Score	.55
Exons	1690..1842		

Seq. No.	26915	Seq. ID	OJ000113_26.0209.C23
Gene No.	55744	Strand	+
Start	1	End	1149
Name	OJ000113_26.0209.C23.o1.np	Method	AAT/NAP
Start	1	End	966
GI	6539238	Score	692
Exons	1..966		
GI Descrip.	(AC011765) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	26915	Seq. ID	OJ000113_26.0209.C23
Gene No.	55744	Strand	+
Start	1	End	1149
Name	OJ000113_26.0209.C23.o1.tc	Method	TBLASTX:Cress
Start	2	End	1149
GI	none	Score	70
Exons	2..55, 2..205, 4..204, 4..186, 5..187, 5..256, 5..187, 5..205, 5..187, 5..205, 5..202, 5..187, 5..247, 8..127, 98..211, 103..195, 398..547, 398..565, 422..565, 422..781, 428..565, 437..559, 437..595, 437..616, 442..564, 443..565, 463..558, 566..781, 569..739, 569..709, 569..745, 569..748, 569..745, 569..745, 569..787, 578..745, 578..739, 1036..1149		

Seq. No.	26915	Seq. ID	OJ000113_26.0209.C23
Gene No.	55744	Strand	+
Start	1	End	1149
Name	OJ000113_26.0209.C23.o1.tm	Method	TBLASTX:Maize
Start	2	End	754
GI	none	Score	128
Exons	2..274, 4..207, 4..186, 5..208, 5..205, 10..192, 31..186, 44..205, 428..568, 437..559, 437..754		

Seq. No.	26915	Seq. ID	OJ000113_26.0209.C23
Gene No.	55744	Strand	+
Start	1	End	1149
Name	OJ000113_26.0209.C23.o1.ts	Method	TBLASTX:Soybean
Start	2	End	826
GI	none	Score	87
Exons	2..205, 5..124, 82..195, 86..205, 146..241, 430..591, 431..826, 649..813		

Seq. No.	26915	Seq. ID	OJ000113_26.0209.C23
Gene No.	55744	Strand	+
Start	1	End	1149
Name	OJ000113_26.0209.C23.o1.gs	Method	GENSCAN
Start	194	End	1042
GI	none	Score	.76
Exons	194..1042		

Seq. No.	26916	Seq. ID	OJ000113_26.0209.C24
Gene No.	55745	Strand	-
Start	515	End	1279
Name	OJ000113_26.0209.C24.o1.gs	Method	GENSCAN

Start	515	End	1279
GI	none	Score	.8
Exons	515..1279		

Seq. No.	26916	Seq. ID	OJ000113_26.0209.C24
Gene No.	55745	Strand	-
Start	515	End	1279
Name	OJ000113_26.0209.C24.o1.np	Method	AAT/NAP
Start	518	End	1279
GI	4512229	Score	1218
Exons	518..1279		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	26917	Seq. ID	OJ000113_20.0203.C3
Gene No.	55746	Strand	-
Start	1	End	643
Name	OJ000113_20.0203.C3.o1.np	Method	AAT/NAP
Start	1	End	643
GI	5441880	Score	341
Exons	1..284, 543..643		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	26917	Seq. ID	OJ000113_20.0203.C3
Gene No.	55746	Strand	-
Start	1	End	643
Name	OJ000113_20.0203.C3.o1.gs	Method	GENSCAN
Start	146	End	593
GI	none	Score	.45
Exons	146..593		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55747	Strand	+
Start	1	End	810
Name	OJ000113_20.0203.C4.o1.np	Method	AAT/NAP
Start	1	End	774
GI	5915839	Score	485
Exons	1..774		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55747	Strand	+
Start	1	End	810
Name	OJ000113_20.0203.C4.o1.gp	Method	AAT/GAP
Start	293	End	481
GI	2798030	Score	292
Exons	293..481		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55747	Strand	+
Start	1	End	810
Name	OJ000113_20.0203.C4.o1.gs	Method	GENSCAN
Start	393	End	810
GI	none	Score	.7
Exons	393..810		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o3.tw	Method	TBLASTX:Wheat
Start	285	End	474
GI	none	Score	68
Exons	285..398, 285..473, 286..474		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o1.tc	Method	TBLASTX:Cress
Start	288	End	768
GI	none	Score	360
Exons	288..602, 289..768		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o1.ts	Method	TBLASTX:Soybean
Start	288	End	759
GI	none	Score	449
Exons	288..611, 289..759, 646..759		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o2.tm	Method	TBLASTX:Maize
Start	298	End	780
GI	none	Score	446
Exons	298..762, 309..599, 316..780		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o2.tw	Method	TBLASTX:Wheat
Start	499	End	771
GI	none	Score	293
Exons	499..771, 502..771		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o2.gs	Method	GENSCAN
Start	1042	End	2444
GI	none	Score	.43
Exons	1042..1095, 1841..2014, 2099..2444		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o2.gp	Method	AAT/GAP
Start	1385	End	1760
GI	none	Score	708
Exons	1385..1760		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o2.tc	Method	TBLASTX:Cress
Start	1633	End	2008
GI	none	Score	68
Exons	1633..1746, 1653..1745, 1664..1759, 1838..2008, 1838..2008		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o2.ts	Method	TBLASTX:Soybean
Start	1644	End	2249
GI	none	Score	77
Exons	1644..1745, 1663..1746, 1664..1759, 1838..2017, 1839..2015, 2093..2239, 2099..2248, 2118..2249		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o1.tm	Method	TBLASTX:Maize
Start	1651	End	2327
GI	none	Score	100
Exons	1651..1734, 1662..1751, 1663..1746, 1664..1759, 1838..2014, 1838..2017, 1842..2024, 1842..2024, 1843..2034, 2079..2327, 2097..2315, 2099..2326		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o2.np	Method	AAT/NAP
Start	1666	End	2781
GI	5902382	Score	285
Exons	1666..1749, 1841..2014, 2099..2249, 2739..2781		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana]		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o3.gp	Method	AAT/GAP
Start	1826	End	2327
GI	none	Score	690
Exons	1826..2014, 2099..2327		

Seq. No.	26918	Seq. ID	OJ000113_20.0203.C4
Gene No.	55748	Strand	-
Start	1042	End	2781
Name	OJ000113_20.0203.C4.o1.tw	Method	TBLASTX:Wheat
Start	1838	End	2331
GI	none	Score	61
Exons	1838..1885, 1842..1883, 1921..2016, 1922..2017, 1924..2016, 1925..2017, 1935..2024, 2093..2314, 2098..2331, 2099..2314		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55749	Strand	+
Start	35	End	1342
Name	OJ000113_20.0203.C5.o1.gs	Method	GENSCAN

Start	35	End	1342
GI	none	Score	.63
Exons	35..143, 927..1342		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55750	Strand	+
Start	1486	End	2014
Name	OJ000113_20.0203.C5.o1.gp	Method	AAT/GAP
Start	1486	End	2014
GI	3934_2.R1084	Score	1044
Exons	1486..2014		
GI Descrip.	'1854378/dbj|BAA19242| 3.0e-19 (AB001338) Sucrose-Phosphate Synthase [Saccharum officinarum]'		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55751	Strand	+
Start	11372	End	16773
Name	OJ000113_20.0203.C5.o3.gs	Method	GENSCAN
Start	11372	End	16773
GI	none	Score	.48
Exons	11372..11453, 12036..12319, 15374..15517, 16744..16773		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55751	Strand	+
Start	11372	End	16773
Name	OJ000113_20.0203.C5.o2.np	Method	AAT/NAP
Start	11399	End	11519
GI	114548	Score	58
Exons	11399..11519		
GI Descrip.	ATP SYNTHASE BETA CHAIN gi|67835|pir||PWBHB H+-transporting ATP synthase (EC 3.6.1.34) beta chain - barley chloroplast gi|11583|emb|CAA25114| (X00408) atpB (beta subunit of ATPase) [Hordeum vulgare]		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55752	Strand	+
Start	18373	End	18683
Name	OJ000113_20.0203.C5.o3.np	Method	AAT/NAP
Start	18373	End	18683
GI	399091	Score	253
Exons	18373..18683		
GI Descrip.	PYROPHOSPHATE-ENERGIZED VACUOLAR MEMBRANE PROTON PUMP (PYROPHOSPHATE-ENERGIZED INORGANIC PYROPHOSPHATASE) (H+-PPASE) gi|282878|pir||A38230 inorganic pyrophosphatase (EC 3.6.1.1), H+-translocating pyrophosphate-energized - Arabidopsis thaliana gi|166634 (M81892) vacuolar H+-phosphatase [Arabidopsis thaliana]		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55752	Strand	+
Start	18373	End	18683
Name	OJ000113_20.0203.C5.o4.gs	Method	GENSCAN
Start	18373	End	18634
GI	none	Score	.97
Exons	18373..18634		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5

Gene No.	55753	Strand	-
Start	1831	End	9166
Name	OJ000113_20.0203.C5.o2.gs	Method	GENSCAN
Start	1831	End	9166
GI	none	Score	.87
Exons	1831..2107, 2495..2622, 2742..3443, 3536..3598, 3697..3750, 4311..4487, 4619..4750, 4906..5013, 5179..5877, 6356..6419, 7338..7546, 8544..8695, 8830..9166		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55753	Strand	-
Start	1831	End	9166
Name	OJ000113_20.0203.C5.o1.np	Method	AAT/NAP
Start	1834	End	9022
GI	1854378	Score	4286
Exons	1834..2107, 2495..2622, 2742..3443, 3536..3598, 3697..3750, 4311..4487, 4619..4750, 4906..5013, 5179..5877, 6356..6419, 7338..7546, 8606..8695, 8834..9022		
GI Descrip.	(AB001338) Sucrose-Phosphate Synthase [Saccharum officinarum]		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55753	Strand	-
Start	1831	End	9166
Name	OJ000113_20.0203.C5.o2.gp	Method	AAT/GAP
Start	7399	End	9078
GI	uC-osrocyp011g08b1	Score	918
Exons	7399..7546, 8606..8695, 8834..9078		
GI Descrip.	'1854378/dbj|BAA19242| 6.0e-64 (AB001338) Sucrose-Phosphate Synthase [Saccharum officinarum]'		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o2.tm	Method	TBLASTX:Maize
Start	1636	End	2849
GI	none	Score	50
Exons	1636..1704, 1637..1696, 1659..1742, 1701..1760, 1701..1760, 1702..1764, 1770..1949, 1823..2107, 1824..2108, 1825..2109, 1825..2115, 1826..2110, 2491..2592, 2492..2623, 2493..2615, 2494..2616, 2495..2620, 2739..2849, 2743..2847		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o2.tw	Method	TBLASTX:Wheat
Start	1828	End	2562
GI	none	Score	140
Exons	1828..2109, 1840..2115, 2491..2562, 2495..2557		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o3.ts	Method	TBLASTX:Soybean
Start	1900	End	2115
GI	none	Score	71
Exons	1900..2106, 1900..2115		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o5.tc	Method	TBLASTX:Cress
Start	1900	End	2592
GI	none	Score	105
Exons	1900..1962, 1987..2115, 2491..2592		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o2.ts	Method	TBLASTX:Soybean
Start	2515	End	5326
GI	none	Score	146
Exons	2515..2592, 2748..2927, 2749..2919, 2973..3218, 2975..3094, 2976..3095, 2989..3207, 3249..3446, 3250..3444, 3533..3604, 3543..3605, 3697..3753, 4310..4408, 4311..4487, 4311..4487, 4312..4488, 4619..4753, 4620..4763, 4629..4760, 5162..5323, 5174..5326, 5182..5325		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o1.tc	Method	TBLASTX:Cress
Start	2808	End	3207
GI	none	Score	88
Exons	2808..2927, 2809..2916, 2976..3206, 2989..3207		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o1.tm	Method	TBLASTX:Maize
Start	2883	End	4470
GI	none	Score	382
Exons	2883..3236, 2884..3219, 3122..3250, 3225..3446, 3229..3444, 3231..3446, 3533..3604, 3534..3605, 3689..3751, 3695..3751, 3697..3753, 4310..4420, 4311..4463, 4312..4470		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o1.tw	Method	TBLASTX:Wheat
Start	3094	End	3589
GI	none	Score	120
Exons	3094..3222, 3096..3242, 3114..3236, 3225..3446, 3229..3444, 3531..3587, 3533..3589, 3533..3589		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o2.tc	Method	TBLASTX:Cress
Start	3249	End	4410
GI	none	Score	45
Exons	3249..3308, 3288..3341, 3289..3336, 3330..3446, 3331..3444, 3533..3604, 3543..3605, 3697..3753, 3698..3751, 4311..4409, 4312..4410		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o3.tw	Method	TBLASTX:Wheat
Start	3700	End	4947
GI	none	Score	77
Exons	3700..3753, 3701..3751, 4311..4487, 4315..4488, 4326..4496, 4619..4753, 4620..4763, 4903..4947		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o3.tm	Method	TBLASTX:Maize
Start	4619	End	5392
GI	none	Score	180
Exons	4619..4753, 4632..4766, 4634..4753, 4906..4947, 4930..5013, 4930..5001, 5174..5392, 5175..5297, 5176..5391		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o1.ts	Method	TBLASTX:Soybean
Start	5329	End	5782
GI	none	Score	112
Exons	5329..5700, 5330..5485, 5350..5637, 5537..5701, 5607..5711, 5749..5781, 5750..5782		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o4.tm	Method	TBLASTX:Maize
Start	5393	End	5640
GI	none	Score	87
Exons	5393..5491, 5395..5640, 5401..5637		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o3.tc	Method	TBLASTX:Cress
Start	5686	End	6422
GI	none	Score	148
Exons	5686..5892, 5686..5925, 5696..5896, 6321..6422, 6353..6421		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o5.tm	Method	TBLASTX:Maize
Start	8583	End	9010
GI	none	Score	105
Exons	8583..8690, 8603..8686, 8834..8938, 8834..8968, 8957..9010, 8958..9005		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o4.tc	Method	TBLASTX:Cress
Start	8606	End	9010

GI	none	Score	85
Exons	8606..8683, 8610..8696, 8834..8941, 8847..8906, 8963..9004, 8963..9010		

Seq. No.	26919	Seq. ID	OJ000113_20.0203.C5
Gene No.	55754	Strand	-
Start	18251	End	18683
Name	OJ000113_20.0203.C5.o3.gp	Method	AAT/GAP
Start	18251	End	18683
GI	4879971	Score	112
Exons	18251..18318, 18650..18683		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55755	Strand	+
Start	1	End	4258
Name	OJ000113_20.0203.C6.o1.np	Method	AAT/NAP
Start	1	End	3965
GI	1747294	Score	3141
Exons	1..22, 1184..1758, 1900..2279, 2365..2451, 2536..2866, 3127..3537, 3616..3675, 3762..3965		
GI Descrip.	(D45383) vacuolar H+-pyrophosphatase [Oryza sativa]		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55755	Strand	+
Start	1	End	4258
Name	OJ000113_20.0203.C6.o1.gs	Method	GENSCAN
Start	1184	End	3988
GI	none	Score	.87
Exons	1184..1758, 1900..2279, 2536..2866, 3127..3537, 3562..3675, 3762..3945, 3960..3988		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55755	Strand	+
Start	1	End	4258
Name	OJ000113_20.0203.C6.o1.gp	Method	AAT/GAP
Start	2172	End	2887
GI	31888_1.R1084	Score	982
Exons	2172..2279, 2365..2451, 2536..2887		
GI Descrip.	'1747294/dbj|BAA08232| 2.0e-74 (D45383) vacuolar H+-pyrophosphatase [Oryza sativa]'		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55755	Strand	+
Start	1	End	4258
Name	OJ000113_20.0203.C6.o2.gp	Method	AAT/GAP
Start	3220	End	4258
GI	6518_1.R1084	Score	1648
Exons	3220..3537, 3616..3675, 3762..4258		
GI Descrip.	'1076627/pir||S54172 1.0e-102 inorganic pyrophosphatase (EC 3.6.1.1) - common tobacco >gi_790479_emb_CAA58701_ (X83730) inorganic pyrophosphatase [Nicotiana tabacum]'		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55756	Strand	+
Start	4566	End	4949
Name	OJ000113_20.0203.C6.o3.gp	Method	AAT/GAP
Start	4566	End	4949

GI	none	Score	595
Exons	4566..4949		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55757	Strand	+
Start	6690	End	7799
Name	OJ000113_20.0203.C6.o3.gs	Method	GENSCAN
Start	6690	End	7799
GI	none	Score	.63
Exons	6690..6783, 7246..7395, 7609..7799		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55758	Strand	+
Start	8606	End	11714
Name	OJ000113_20.0203.C6.o7.gp	Method	AAT/GAP
Start	8583	End	8836
GI	5002776	Score	497
Exons	8583..8836		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55758	Strand	+
Start	8606	End	11714
Name	OJ000113_20.0203.C6.o4.gs	Method	GENSCAN
Start	8606	End	11714
GI	none	Score	.67
Exons	8606..8905, 8963..9241, 9724..9864, 10737..10849, 10991..11018, 11290..11388, 11676..11714		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55758	Strand	+
Start	8606	End	11714
Name	OJ000113_20.0203.C6.o2.np	Method	AAT/NAP
Start	8669	End	10859
GI	4406801	Score	352
Exons	8669..8905, 9724..9895, 10684..10859		
GI Descrip.	(AC006304) unknown protein [Arabidopsis thaliana]		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55759	Strand	+
Start	11987	End	12883
Name	OJ000113_20.0203.C6.o8.gp	Method	AAT/GAP
Start	11987	End	12883
GI	uC-osflcyp081e08b1	Score	508
Exons	11987..12117, 12204..12303, 12829..12883		
GI Descrip.	'5824783/emb|CAB54433.1| 3.0e-15 (AL110487) Y39E4B.7 [Caenorhabditis elegans]'		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55760	Strand	-
Start	4887	End	5479
Name	OJ000113_20.0203.C6.o2.gs	Method	GENSCAN
Start	4887	End	5444
GI	none	Score	.98
Exons	4887..5250, 5383..5444		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55760	Strand	-

Start	4887	End	5479
Name	OJ000113_20.0203.C6.o4.gp	Method	AAT/GAP
Start	4966	End	5479
GI	none	Score	570
Exons	4966..5250, 5383..5479		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55760	Strand	-
Start	4887	End	5479
Name	OJ000113_20.0203.C6.o5.gp	Method	AAT/GAP
Start	5044	End	5446
GI	none	Score	438
Exons	5044..5250, 5383..5446		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55761	Strand	-
Start	7421	End	7529
Name	OJ000113_20.0203.C6.o6.gp	Method	AAT/GAP
Start	7421	End	7529
GI	none	Score	167
Exons	7421..7529		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o1.ts	Method	TBLASTX:Soybean
Start	1176	End	3962
GI	none	Score	445
Exons	1176..1679, 1182..1763, 1183..1761, 1664..1804, 1899..2306, 1900..2313, 2363..2449, 2365..2451, 2366..2449, 2531..2866, 2533..2865, 2544..2870, 2701..2868, 3124..3540, 3126..3494, 3613..3675, 3615..3674, 3760..3903, 3761..3958, 3762..3962		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o2.tm	Method	TBLASTX:Maize
Start	1180	End	1500
GI	none	Score	419
Exons	1180..1494, 1182..1499, 1182..1499, 1183..1500		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o1.tc	Method	TBLASTX:Cress
Start	1182	End	3983
GI	none	Score	449
Exons	1182..1679, 1182..1763, 1183..1761, 1899..2306, 1900..2313, 2363..2443, 2365..2445, 2366..2449, 2531..2866, 2533..2865, 2721..2870, 2746..2868, 3124..3540, 3126..3494, 3612..3674, 3613..3675, 3759..3968, 3761..3982, 3762..3983		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o1.tm	Method	TBLASTX:Maize
Start	1500	End	4179

GI	none	Score	272
Exons	1500..1682, 1500..1763, 1501..1761, 1899..2306, 1900..2313, 2363..2443, 2365..2442, 2365..2445, 2366..2449, 2531..2866, 2533..2865, 2544..2867, 2701..2868, 2724..2873, 3105..3536, 3124..3540, 3126..3494, 3596..3697, 3613..3675, 3613..3705, 3760..3861, 3761..3976, 3762..3977, 4011..4091, 4117..4179		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o2.tw	Method	TBLASTX:Wheat
Start	2363	End	2836
GI	none	Score	137
Exons	2363..2449, 2365..2451, 2366..2452, 2531..2836, 2533..2835		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o1.tw	Method	TBLASTX:Wheat
Start	3235	End	3790
GI	none	Score	482
Exons	3235..3540, 3243..3494, 3500..3544, 3612..3674, 3613..3675, 3761..3790, 3762..3788		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o3.tw	Method	TBLASTX:Wheat
Start	3791	End	3970
GI	none	Score	269
Exons	3791..3958, 3792..3959, 3795..3965, 3866..3970		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o2.tc	Method	TBLASTX:Cress
Start	8738	End	11307
GI	none	Score	238
Exons	8738..8905, 8738..8905, 9715..9810, 9721..9864, 9723..9857, 11224..11307		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o3.ts	Method	TBLASTX:Soybean
Start	8738	End	8905
GI	none	Score	235
Exons	8738..8905, 8738..8905		

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o3.tm	Method	TBLASTX:Maize
Start	9685	End	12089
GI	none	Score	65
Exons	9685..9831, 9721..9864, 9721..9825, 9722..9865, 9723..9863, 9748..9840, 10734..10850, 10734..10799, 10739..10804,		

10756..10854, 10757..10855, 10989..11069, 10991..11071,
10992..11072, 11219..11398, 11220..11399, 11223..11396,
11224..11307, 11224..11409, 11982..12089, 11983..12069,
11984..12082

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o2.ts	Method	TBLASTX:Soybean
Start	9748	End	12312
GI	none	Score	78

Exons 9748..9840, 10736..10804, 10737..10850, 10757..10888,
10759..10854, 10991..11071, 10992..11072, 11220..11396,
11224..11406, 11978..12121, 11979..12122, 12161..12295,
12223..12312

Seq. No.	26920	Seq. ID	OJ000113_20.0203.C6
Gene No.	55762	Strand	-
Start	12245	End	12591
Name	OJ000113_20.0203.C6.o5.gs	Method	GENSCAN
Start	12245	End	12591
GI	none	Score	.69

Exons 12245..12340, 12429..12591

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55763	Strand	+
Start	1055	End	1917
Name	OJ000113_20.0203.C7.o1.gp	Method	AAT/GAP
Start	1055	End	1917
GI	none	Score	1649

Exons 1055..1917

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55764	Strand	+
Start	11445	End	27745
Name	OJ000113_20.0203.C7.o3.np	Method	AAT/NAP
Start	11445	End	20648
GI	6015754	Score	263

Exons 11445..11491, 16952..17061, 17206..17303, 17625..17703,
18763..18921, 19095..19184, 20105..20238, 20489..20648

GI Descrip. (Y18930) isoleucyl-tRNA synthetase [Sulfolobus solfataricus]

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55764	Strand	+
Start	11445	End	27745
Name	OJ000113_20.0203.C7.o2.np	Method	AAT/NAP
Start	14410	End	17828
GI	462179	Score	16

Exons 14410..14464, 14531..14590, 17807..17828

GI Descrip. ATP-DEPENDENT RNA HELICASE GLH-1 gi|539422|pir||A48686 probable
RNA helicase glh-1 - Caenorhabditis elegans

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55764	Strand	+
Start	11445	End	27745
Name	OJ000113_20.0203.C7.o4.gs	Method	GENSCAN
Start	14830	End	27745

GI	none	Score	.53
Exons	14830..15525, 16942..17061, 19095..19184, 20105..20238, 20489..20648, 20805..20888, 21048..21260, 21364..21489, 22210..22361, 22594..22657, 22925..23013, 23096..23237, 23465..23528, 23560..23669, 24128..24277, 24700..24830, 26916..27166, 27356..27446, 27631..27745		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55764	Strand	+
Start	11445	End	27745
Name	OJ000113_20.0203.C7.o4.np	Method	AAT/NAP
Start	20502	End	24310
GI	3695406	Score	1223
Exons	20502..20652, 20776..20888, 21048..21260, 21364..21489, 21970..22107, 22210..22313, 22594..22645, 22925..23013, 23096..23258, 23445..23528, 23602..23669, 24155..24310		
GI Descrip.	(AF096373) similar to isoleucyl-tRNA synthetases [Arabidopsis thaliana]		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55765	Strand	+
Start	31702	End	32762
Name	OJ000113_20.0203.C7.o6.gs	Method	GENSCAN
Start	31702	End	32762
GI	none	Score	.94
Exons	31702..31968, 32013..32762		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55766	Strand	-
Start	7203	End	12461
Name	OJ000113_20.0203.C7.o2.gp	Method	AAT/GAP
Start	7203	End	7656
GI	LIB3431-045-P1-N1-A10	Score	852
Exons	7203..7656		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55766	Strand	-
Start	7203	End	12461
Name	OJ000113_20.0203.C7.o2.gs	Method	GENSCAN
Start	7481	End	12461
GI	none	Score	.69
Exons	7481..7641, 7792..7994, 7999..8046, 8110..8241, 8342..8397, 8555..8737, 8830..9088, 9165..9463, 9556..9966, 10141..10387, 10493..10643, 10794..11793, 11811..12461		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55766	Strand	-
Start	7203	End	12461
Name	OJ000113_20.0203.C7.o1.np	Method	AAT/NAP
Start	7760	End	12008
GI	5441880	Score	3075
Exons	7760..7994, 8110..8241, 8488..8585, 8830..9088, 9165..9463, 10051..10387, 10493..10643, 10914..12008		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein.		

(AC003981) [Oryza sativa]

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55766	Strand	-
Start	7203	End	12461
Name	OJ000113_20.0203.C7.o3.gp	Method	AAT/GAP
Start	8838	End	9337
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	8838..9088, 9165..9337		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55767	Strand	-
Start	12914	End	13066
Name	OJ000113_20.0203.C7.o4.gp	Method	AAT/GAP
Start	12914	End	13066
GI	7406_1.R1084	Score	222
Exons	12914..13066		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55768	Strand	-
Start	13644	End	14436
Name	OJ000113_20.0203.C7.o3.gs	Method	GENSCAN
Start	13644	End	14436
GI	none	Score	.56
Exons	13644..13760, 14019..14202, 14243..14436		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55769	Strand	-
Start	26959	End	27274
Name	OJ000113_20.0203.C7.o5.np	Method	AAT/NAP
Start	26959	End	27274
GI	4105790	Score	80
Exons	26959..27127, 27173..27274		
GI Descrip.	(AF049926) PGP219 [Petunia x hybrida]		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55770	Strand	-
Start	29225	End	32420
Name	OJ000113_20.0203.C7.o5.gs	Method	GENSCAN
Start	29225	End	31089
GI	none	Score	.6
Exons	29225..29737, 29755..29992, 30220..30360, 30691..30762, 30920..30956, 31062..31089		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55770	Strand	-
Start	29225	End	32420
Name	OJ000113_20.0203.C7.o6.np	Method	AAT/NAP
Start	29299	End	31700
GI	4734014	Score	561
Exons	29299..29992, 30691..30762, 30920..30956, 31062..31120, 31660..31700		

GI Descrip. (AC007112) unknown protein [Arabidopsis thaliana]

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55770	Strand	-
Start	29225	End	32420
Name	OJ000113_20.0203.C7.o7.np	Method	AAT/NAP
Start	30050	End	32420
GI	5852172	Score	119
Exons	30050..30075, 31786..31913, 32111..32233, 32340..32420		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o3.tm	Method	TBLASTX:Maize
Start	970	End	1393
GI	none	Score	204
Exons	970..1236, 1004..1234, 1023..1238, 1205..1321, 1220..1285, 1239..1322, 1243..1323, 1340..1393		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o4.ts	Method	TBLASTX:Soybean
Start	1014	End	1426
GI	none	Score	312
Exons	1014..1235, 1023..1262, 1025..1258, 1042..1305, 1364..1426		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o2.tc	Method	TBLASTX:Cress
Start	1032	End	1190
GI	none	Score	197
Exons	1032..1190, 1043..1177, 1059..1139, 1061..1138, 1062..1187		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o2.tm	Method	TBLASTX:Maize
Start	3357	End	3758
GI	none	Score	461
Exons	3357..3758, 3401..3757		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o1.ts	Method	TBLASTX:Soybean
Start	3402	End	4677
GI	none	Score	620
Exons	3402..3938, 3521..3904, 3810..3944, 3823..3945, 4615..4677		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o1.tm	Method	TBLASTX:Maize
Start	16962	End	22070

GI	none	Score	156
Exons	16962..17075, 17185..17304, 17200..17304, 17211..17309, 17623..17712, 17626..17703, 17636..17743, 18754..18930, 18759..18929, 19092..19187, 19092..19184, 19097..19186, 20102..20239, 20105..20239, 20106..20240, 20107..20241, 20472..20660, 20490..20648, 20804..20890, 20805..20891, 21047..21262, 21048..21263, 21049..21264, 21351..21494, 21352..21492, 21363..21497, 21967..22050, 21973..22068, 21975..22070		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o5.ts	Method	TBLASTX:Soybean
Start	17626	End	18891
GI	none	Score	103
Exons	17626..17703, 18754..18882, 18759..18845, 18832..18891		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o1.tc	Method	TBLASTX:Cress
Start	20516	End	21408
GI	none	Score	190
Exons	20516..20650, 20517..20648, 20804..20893, 20805..20891, 21039..21161, 21047..21157, 21162..21263, 21183..21299, 21185..21292, 21352..21408		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o2.ts	Method	TBLASTX:Soybean
Start	21047	End	22032
GI	none	Score	300
Exons	21047..21295, 21048..21263, 21056..21268, 21351..21509, 21352..21504, 21973..22032		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o4.tm	Method	TBLASTX:Maize
Start	22072	End	23243
GI	none	Score	58
Exons	22072..22107, 22163..22309, 22207..22308, 22208..22309, 22213..22314, 22248..22313, 22585..22656, 22591..22677, 22592..22726, 22924..23013, 22925..23014, 23090..23239, 23097..23243		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o3.ts	Method	TBLASTX:Soybean
Start	29431	End	29995
GI	none	Score	125
Exons	29431..29616, 29734..29994, 29852..29995		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7

Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o5.tm	Method	TBLASTX:Maize
Start	29680	End	32459
GI	none	Score	128
Exons	29680..29727, 29734..29784, 29809..29994, 29810..29995, 31659..31940, 31744..31956, 32340..32459, 32341..32454		

Seq. No.	26921	Seq. ID	OJ000113_20.0203.C7
Gene No.	55771	Strand	-
Start	33355	End	39879
Name	OJ000113_20.0203.C7.o7.gs	Method	GENSCAN
Start	33355	End	39879
GI	none	Score	.51
Exons	33355..33378, 33799..34188, 36064..36172, 36484..36584, 38013..38135, 38487..38659, 39464..39570, 39758..39879		

Seq. No.	26922	Seq. ID	OJ000113_20.0203.C9
Gene No.	55772	Strand	
Start	2	End	189
Name	OJ000113_20.0203.C9.o1.tm	Method	TBLASTX:Maize
Start	2	End	189
GI	none	Score	79
Exons	2..115, 33..188, 34..189		

Seq. No.	26923	Seq. ID	OJ000113_20.0203.C10
Gene No.	55773	Strand	+
Start	1210	End	1374
Name	OJ000113_20.0203.C10.o1.gs	Method	GENSCAN
Start	1210	End	1374
GI	none	Score	.58
Exons	1210..1219, 1358..1374		

Seq. No.	26923	Seq. ID	OJ000113_20.0203.C10
Gene No.	55774	Strand	-
Start	1379	End	1933
Name	OJ000113_20.0203.C10.o1.gp	Method	AAT/GAP
Start	1379	End	1933
GI	uC-osflcyp142f06b1	Score	1069
Exons	1379..1933		
GI Descrip.	'3413712 2.0e-15 (AC004747) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	26924	Seq. ID	OJ000113_20.0203.C11
Gene No.	55775	Strand	+
Start	993	End	5586
Name	OJ000113_20.0203.C11.o1.gs	Method	GENSCAN
Start	993	End	5039
GI	none	Score	.74
Exons	993..1153, 1548..1807, 1887..2002, 2215..2323, 2420..2524, 3042..3139, 3598..3673, 3945..3998, 4282..4425, 4536..4600, 4885..4939, 4971..5039		

Seq. No.	26924	Seq. ID	OJ000113_20.0203.C11
Gene No.	55775	Strand	+
Start	993	End	5586
Name	OJ000113_20.0203.C11.o1.np	Method	AAT/NAP

Start	1655	End	5586
GI	3413712	Score	1006
Exons	1655..1819, 1887..2002, 2215..2323, 2420..2534, 3042..3139, 3409..3515, 3598..3844, 3945..3998, 4282..4425, 4536..4600, 4885..4939, 5434..5586		
GI Descrip.	(AC004747) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26924	Seq. ID	OJ000113_20.0203.C11
Gene No.	55775	Strand	+
Start	993	End	5586
Name	OJ000113_20.0203.C11.o1.gp	Method	AAT/GAP
Start	1941	End	2534
GI	3107159	Score	462
Exons	1941..2002, 2215..2323, 2420..2534		
GI Descrip.	3413712 2.0e-15 (AC004747) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26924	Seq. ID	OJ000113_20.0203.C11
Gene No.	55776	Strand	-
Start	5975	End	6522
Name	OJ000113_20.0203.C11.o2.gp	Method	AAT/GAP
Start	5975	End	6522
GI	none	Score	1047
Exons	5975..6522		

Seq. No.	26924	Seq. ID	OJ000113_20.0203.C11
Gene No.	55777	Strand	-
Start	7309	End	7415
Name	OJ000113_20.0203.C11.o1.ts	Method	TBLASTX:Soybean
Start	3038	End	3727
GI	none	Score	177
Exons	3038..3142, 3040..3141, 3050..3157, 3388..3519, 3420..3518, 3576..3725, 3578..3724, 3595..3726, 3596..3727		

Seq. No.	26924	Seq. ID	OJ000113_20.0203.C11
Gene No.	55777	Strand	-
Start	7309	End	7415
Name	OJ000113_20.0203.C11.o1.tm	Method	TBLASTX:Maize
Start	3435	End	3850
GI	none	Score	88
Exons	3435..3518, 3475..3519, 3477..3518, 3577..3834, 3591..3845, 3595..3792, 3596..3850		

Seq. No.	26924	Seq. ID	OJ000113_20.0203.C11
Gene No.	55777	Strand	-
Start	7309	End	7415
Name	OJ000113_20.0203.C11.o1.tw	Method	TBLASTX:Wheat
Start	3643	End	4419
GI	none	Score	309
Exons	3643..3792, 3644..3850, 3645..3842, 3647..3844, 3944..3997, 3945..3998, 3946..3999, 3946..3999, 4279..4374, 4291..4362, 4309..4419, 4359..4403		

Seq. No.	26924	Seq. ID	OJ000113_20.0203.C11
Gene No.	55777	Strand	-
Start	7309	End	7415
Name	OJ000113_20.0203.C11.o2.tm	Method	TBLASTX:Maize

Start	4272	End	5546
GI	none	Score	103
Exons	4272..4430, 4291..4440, 4300..4428, 4359..4439, 4536..4601, 4544..4639, 5433..5546, 5433..5546		

Seq. No.	26924	Seq. ID	OJ000113_20.0203.C11
Gene No.	55777	Strand	-
Start	7309	End	7415
Name	OJ000113_20.0203.C11.o3.gp	Method	AAT/GAP
Start	7309	End	7415
GI	38_1.R1084	Score	214
Exons	7309..7415		
GI Descrip.	'4887618/dbj|BAA77822.1| 1.0e-102 (AB007628) homeobox gene [Oryza sativa]'		

Seq. No.	26925	Seq. ID	OJ000113_20.0203.C12
Gene No.	55778	Strand	-
Start	1	End	894
Name	OJ000113_20.0203.C12.o1.gp	Method	AAT/GAP
Start	1	End	639
GI	38_1.R1084	Score	836
Exons	1..204, 303..436, 527..639		
GI Descrip.	'4887618/dbj|BAA77822.1| 1.0e-102 (AB007628) homeobox gene [Oryza sativa]'		

Seq. No.	26925	Seq. ID	OJ000113_20.0203.C12
Gene No.	55778	Strand	-
Start	1	End	894
Name	OJ000113_20.0203.C12.o1.tw	Method	TBLASTX:Wheat
Start	115	End	637
GI	none	Score	69
Exons	115..216, 168..209, 302..436, 312..437, 525..605, 527..637, 527..637		

Seq. No.	26925	Seq. ID	OJ000113_20.0203.C12
Gene No.	55778	Strand	-
Start	1	End	894
Name	OJ000113_20.0203.C12.o1.tm	Method	TBLASTX:Maize
Start	283	End	637
GI	none	Score	162
Exons	283..435, 295..435, 299..436, 300..437, 524..637, 526..636, 527..637		

Seq. No.	26925	Seq. ID	OJ000113_20.0203.C12
Gene No.	55778	Strand	-
Start	1	End	894
Name	OJ000113_20.0203.C12.o1.np	Method	AAT/NAP
Start	284	End	894
GI	4887618	Score	367
Exons	284..436, 527..894		
GI Descrip.	(AB007628) homeobox gene [Oryza sativa]		

Seq. No.	26925	Seq. ID	OJ000113_20.0203.C12
Gene No.	55778	Strand	-
Start	1	End	894
Name	OJ000113_20.0203.C12.o1.tc	Method	TBLASTX:Cress
Start	302	End	637

GI	none	Score	128
Exons	302..436, 327..437, 525..605,	527..625,	527..637

Seq. No.	26925	Seq. ID	OJ000113_20.0203.C12
Gene No.	55778	Strand	-
Start	1	End	894
Name	OJ000113_20.0203.C12.o1.ts	Method	TBLASTX:Soybean
Start	302	End	637
GI	none	Score	86
Exons	302..436, 323..433, 327..437,	525..605,	527..637

Seq. No.	26925	Seq. ID	OJ000113_20.0203.C12
Gene No.	55778	Strand	-
Start	1	End	894
Name	OJ000113_20.0203.C12.o1.gs	Method	GENSCAN
Start	303	End	436
GI	none	Score	.95
Exons	303..436		

Seq. No.	26926	Seq. ID	OJ000113_20.0203.C13
Gene No.	55779	Strand	-
Start	145	End	582
Name	OJ000113_20.0203.C13.o1.gs	Method	GENSCAN
Start	145	End	582
GI	none	Score	.8
Exons	145..582		

Seq. No.	26927	Seq. ID	OJ000113_20.0203.C14
Gene No.	55780	Strand	+
Start	37	End	427
Name	OJ000113_20.0203.C14.o1.gp	Method	AAT/GAP
Start	37	End	427
GI	none	Score	553
Exons	37..427		

Seq. No.	26927	Seq. ID	OJ000113_20.0203.C14
Gene No.	55780	Strand	+
Start	37	End	427
Name	OJ000113_20.0203.C14.o2.gp	Method	AAT/GAP
Start	111	End	355
GI	5004363	Score	354
Exons	111..355		

Seq. No.	26927	Seq. ID	OJ000113_20.0203.C14
Gene No.	55781	Strand	-
Start	134	End	1094
Name	OJ000113_20.0203.C14.o1.tw	Method	TBLASTX:Wheat
Start	94	End	1094
GI	none	Score	41
Exons	94..153, 117..161, 136..165, 283..327, 285..338, 286..321, 318..344, 319..345, 394..438, 436..519, 436..516, 480..545, 1044..1091, 1044..1094		

Seq. No.	26927	Seq. ID	OJ000113_20.0203.C14
Gene No.	55781	Strand	-
Start	134	End	1094
Name	OJ000113_20.0203.C14.o1.gs	Method	GENSCAN

Start	134	End	468
GI	none	Score	.87
Exons	134..252, 445..468		

Seq. No.	26928	Seq. ID	OJ000113_27.0215.C1
Gene No.	55782	Strand	-
Start	49	End	188
Name	OJ000113_27.0215.C1.o1.gs	Method	GENSCAN
Start	49	End	188
GI	none	Score	.53
Exons	49..188		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55783	Strand	+
Start	1709	End	2437
Name	OJ000113_27.0215.C3.o1.np	Method	AAT/NAP
Start	715	End	2434
GI	4585996	Score	316
Exons	715..765, 886..918, 1876..2434		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55783	Strand	+
Start	1709	End	2437
Name	OJ000113_27.0215.C3.o1.gs	Method	GENSCAN
Start	1709	End	2437
GI	none	Score	1
Exons	1709..2437		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55784	Strand	+
Start	17444	End	19459
Name	OJ000113_27.0215.C3.o4.np	Method	AAT/NAP
Start	17444	End	19459
GI	4680183	Score	366
Exons	17444..17697, 18034..18585, 19399..19459		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55785	Strand	-
Start	3445	End	5596
Name	OJ000113_27.0215.C3.o2.gs	Method	GENSCAN
Start	3445	End	5596
GI	none	Score	.43
Exons	3445..3497, 3537..3626, 4104..4266, 4655..4848, 4972..5596		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o1.tm	Method	TBLASTX:Maize
Start	1948	End	2377
GI	none	Score	516
Exons	1948..2220, 1952..2377, 2261..2377		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542

Name	OJ000113_27.0215.C3.o5.ts	Method	TBLASTX:Soybean
Start	1952	End	2428
GI	none	Score	49
Exons	1952..2014, 2012..2209, 2050..2208, 2240..2428, 2270..2353		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o2.np	Method	AAT/NAP
Start	10272	End	14176
GI	6539553	Score	6492
Exons	10272..14176		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o2.tw	Method	TBLASTX:Wheat
Start	10408	End	10884
GI	none	Score	350
Exons	10408..10794, 10409..10792, 10446..10793, 10803..10883, 10809..10883, 10813..10884		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o4.ts	Method	TBLASTX:Soybean
Start	10536	End	10877
GI	none	Score	79
Exons	10536..10745, 10615..10740, 10764..10877, 10771..10851		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o5.tm	Method	TBLASTX:Maize
Start	10740	End	11078
GI	none	Score	182
Exons	10740..11078, 10741..10968, 10755..10973, 10989..11078		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o2.ts	Method	TBLASTX:Soybean
Start	10890	End	11235
GI	none	Score	108
Exons	10890..11234, 11035..11235		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o3.tw	Method	TBLASTX:Wheat
Start	11079	End	11618
GI	none	Score	288
Exons	11079..11273, 11289..11618		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o4.tm	Method	TBLASTX:Maize
Start	11169	End	11627
GI	none	Score	83
Exons	11169..11627, 11316..11498		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o1.ts	Method	TBLASTX:Soybean
Start	11304	End	11768
GI	5509260	Score	365
Exons	11304..11768		
GI Descrip.	-		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o1.tc	Method	TBLASTX:Cress
Start	11415	End	11675
GI	none	Score	274
Exons	11415..11675		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o1.tw	Method	TBLASTX:Wheat
Start	11688	End	12442
GI	none	Score	200
Exons	11688..12230, 11689..11847, 11708..11866, 11967..12227, 11989..12228, 12180..12434, 12227..12442		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o3.ts	Method	TBLASTX:Soybean
Start	12093	End	12490
GI	none	Score	71
Exons	12093..12233, 12227..12265, 12266..12490, 12270..12419, 12320..12475, 12445..12489		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o6.tm	Method	TBLASTX:Maize
Start	12278	End	12709
GI	none	Score	282
Exons	12278..12709		

Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o5.tw	Method	TBLASTX:Wheat
Start	12443	End	12781

GI	none	Score	70
Exons	12443..12781, 12464..12649		
Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o6.ts	Method	TBLASTX:Soybean
Start	12500	End	12886
GI	none	Score	88
Exons	12500..12748, 12731..12886		
Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o2.tm	Method	TBLASTX:Maize
Start	12913	End	13235
GI	none	Score	365
Exons	12913..13080, 12914..13228, 12915..13208, 12981..13235		
Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o4.gs	Method	GENSCAN
Start	13097	End	16114
GI	none	Score	.6
Exons	13097..14068, 14369..14422, 14474..14610, 14804..14950, 16030..16114		
Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o3.tm	Method	TBLASTX:Maize
Start	13734	End	14047
GI	none	Score	286
Exons	13734..14039, 13736..14047, 13739..14041		
Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o4.tw	Method	TBLASTX:Wheat
Start	13796	End	14179
GI	none	Score	242
Exons	13796..14179, 13797..14171		
Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55786	Strand	-
Start	10272	End	16542
Name	OJ000113_27.0215.C3.o3.np	Method	AAT/NAP
Start	14821	End	16542
GI	6721512	Score	106
Exons	14821..14892, 16271..16409, 16437..16542		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	26929	Seq. ID	OJ000113_27.0215.C3
Gene No.	55787	Strand	
Start	18032	End	18430
Name	OJ000113_27.0215.C3.o6.tw	Method	TBLASTX:Wheat

Start	18032	End	18430
GI	none	Score	65
Exons	18032..18082, 18083..18196, 18106..18186, 18155..18430, 18160..18381		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55788	Strand	+
Start	944	End	1378
Name	OJ000113_27.0215.C4.o1.gp	Method	AAT/GAP
Start	944	End	1378
GI	uC-osf1cyp033a04b1	Score	133
Exons	944..1022, 1356..1378		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55789	Strand	+
Start	4646	End	4884
Name	OJ000113_27.0215.C4.o3.gp	Method	AAT/GAP
Start	4646	End	4884
GI	57406_2.R1084	Score	375
Exons	4646..4884		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55790	Strand	-
Start	1023	End	1295
Name	OJ000113_27.0215.C4.o2.gp	Method	AAT/GAP
Start	1023	End	1295
GI	61605_1.R1084	Score	457
Exons	1023..1295		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55791	Strand	-
Start	6193	End	11957
Name	OJ000113_27.0215.C4.o2.gs	Method	GENSCAN
Start	6193	End	11843
GI	none	Score	.44
Exons	6193..6309, 6388..6524, 7461..10673, 10751..11843		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55791	Strand	-
Start	6193	End	11957
Name	OJ000113_27.0215.C4.o1.np	Method	AAT/NAP
Start	7415	End	11957
GI	4680179	Score	4326
Exons	7415..10820, 10923..11957		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o6.tm	Method	TBLASTX:Maize

Start	7406	End	7653
GI	none	Score	173
Exons	7406..7450, 7453..7653		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o6.tw	Method	TBLASTX:Wheat
Start	7459	End	7795
GI	none	Score	100
Exons	7459..7794, 7463..7618, 7585..7638, 7666..7791, 7679..7795		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o1.tm	Method	TBLASTX:Maize
Start	7657	End	8241
GI	none	Score	229
Exons	7657..8082, 7667..8080, 7807..8082, 8080..8241, 8087..8239		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o1.tw	Method	TBLASTX:Wheat
Start	7795	End	8421
GI	none	Score	373
Exons	7795..8421, 7796..8416		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o3.tm	Method	TBLASTX:Maize
Start	8360	End	8616
GI	none	Score	203
Exons	8360..8608, 8362..8616, 8365..8610		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o2.ts	Method	TBLASTX:Soybean
Start	8380	End	8629
GI	none	Score	75
Exons	8380..8583, 8380..8628, 8387..8629		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o1.tc	Method	TBLASTX:Cress
Start	8404	End	8721
GI	none	Score	101
Exons	8404..8547, 8405..8545, 8548..8721		

Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o4.tw	Method	TBLASTX:Wheat
Start	8428	End	8907

GI	none	Score	164
Exons	8428..8907, 8432..8629, 8433..8657, 8464..8724		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o2.tw	Method	TBLASTX:Wheat
Start	8911	End	9421
GI	none	Score	359
Exons	8911..9420, 8942..9418, 9080..9421		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o2.tm	Method	TBLASTX:Maize
Start	8993	End	9349
GI	none	Score	235
Exons	8993..9349, 9001..9348		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o3.ts	Method	TBLASTX:Soybean
Start	9160	End	9411
GI	none	Score	209
Exons	9160..9411		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o4.tm	Method	TBLASTX:Maize
Start	9385	End	9885
GI	none	Score	66
Exons	9385..9720, 9430..9693, 9758..9877, 9814..9885		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o5.tw	Method	TBLASTX:Wheat
Start	9424	End	9723
GI	none	Score	57
Exons	9424..9723, 9447..9569, 9469..9708		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o1.ts	Method	TBLASTX:Soybean
Start	9436	End	9831
GI	none	Score	64
Exons	9436..9747, 9539..9673, 9758..9814, 9799..9831, 9802..9831		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o3.tw	Method	TBLASTX:Wheat
Start	9796	End	10254
GI	none	Score	288

Exons	9796..10254, 9800..10150, 9957..10178		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o5.tm	Method	TBLASTX:Maize
Start	9955	End	10245
GI	none	Score	69
Exons	9955..10110, 9955..10245, 9956..10144		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o8.tw	Method	TBLASTX:Wheat
Start	10378	End	10802
GI	none	Score	89
Exons	10378..10551, 10430..10564, 10609..10713, 10722..10802		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o7.tw	Method	TBLASTX:Wheat
Start	11370	End	11747
GI	none	Score	89
Exons	11370..11747, 11416..11580		
Seq. No.	26930	Seq. ID	OJ000113_27.0215.C4
Gene No.	55792	Strand	-
Start	12411	End	13184
Name	OJ000113_27.0215.C4.o3.gs	Method	GENSCAN
Start	12411	End	13184
GI	none	Score	.69
Exons	12411..13184		
Seq. No.	26931	Seq. ID	OJ000113_27.0215.C5
Gene No.	55793	Strand	+
Start	1	End	896
Name	OJ000113_27.0215.C5.o1.np	Method	AAT/NAP
Start	1	End	896
GI	6630699	Score	77
Exons	1..54, 798..896		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	26931	Seq. ID	OJ000113_27.0215.C5
Gene No.	55794	Strand	-
Start	438	End	745
Name	OJ000113_27.0215.C5.o1.gs	Method	GENSCAN
Start	438	End	745
GI	none	Score	.73
Exons	438..545, 578..745		
Seq. No.	26932	Seq. ID	OJ000113_27.0215.C6
Gene No.	55795	Strand	+
Start	1	End	7888
Name	OJ000113_27.0215.C6.o1.np	Method	AAT/NAP

Start	1	End	1335
GI	6539586	Score	176
Exons	1..26, 746..1064, 1113..1335		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	26932	Seq. ID	OJ000113_27.0215.C6
Gene No.	55795	Strand	+
Start	1	End	7888
Name	OJ000113_27.0215.C6.o1.gs	Method	GENSCAN
Start	74	End	7417
GI	none	Score	.72
Exons	74..161, 356..460, 548..709, 1677..1775, 1862..1964, 2080..2427, 2495..2694, 3289..3568, 3792..3911, 5219..5329, 6686..6800, 6877..6920, 7066..7166, 7407..7417		

Seq. No.	26932	Seq. ID	OJ000113_27.0215.C6
Gene No.	55795	Strand	+
Start	1	End	7888
Name	OJ000113_27.0215.C6.o2.np	Method	AAT/NAP
Start	995	End	2774
GI	6721561	Score	315
Exons	995..1056, 1631..1988, 2148..2774		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26932	Seq. ID	OJ000113_27.0215.C6
Gene No.	55795	Strand	+
Start	1	End	7888
Name	OJ000113_27.0215.C6.o3.np	Method	AAT/NAP
Start	3724	End	7888
GI	2582381	Score	555
Exons	3724..3981, 5269..5329, 5680..5758, 6199..6290, 6686..6800, 7066..7166, 7407..7468, 7854..7888		
GI Descrip.	(AF021220) cation-chloride co-transporter [Nicotiana tabacum]		

Seq. No.	26933	Seq. ID	OJ000113_27.0215.C7
Gene No.	55796	Strand	+
Start	1	End	1244
Name	OJ000113_27.0215.C7.o1.np	Method	AAT/NAP
Start	1	End	1244
GI	2582381	Score	489
Exons	1..119, 202..314, 1022..1244		
GI Descrip.	(AF021220) cation-chloride co-transporter [Nicotiana tabacum]		

Seq. No.	26933	Seq. ID	OJ000113_27.0215.C7
Gene No.	55796	Strand	+
Start	1	End	1244
Name	OJ000113_27.0215.C7.o1.gp	Method	AAT/GAP
Start	12	End	1199
GI	5002740	Score	745
Exons	12..114, 200..314, 1022..1199		
GI Descrip.	2582381 5.0e-56 (AF021220) cation-chloride co-transporter [Nicotiana tabacum]		

Seq. No.	26933	Seq. ID	OJ000113_27.0215.C7
Gene No.	55796	Strand	+
Start	1	End	1244
Name	OJ000113_27.0215.C7.o1.gs	Method	GENSCAN
Start	200	End	1216
GI	none	Score	.69
Exons	200..314, 1022..1216		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55797	Strand	+
Start	1	End	2217
Name	OJ000113_27.0215.C8.o1.np	Method	AAT/NAP
Start	1	End	2076
GI	6634764	Score	2422
Exons	1..485, 732..893, 980..2076		
GI Descrip.	(AC009917) Strong similarity to gb|AF021220 Nicotiana tabacum cation-chloride co-transporter and contains an amino acid permease PF|00324 domain. [Arabidopsis thaliana]		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55797	Strand	+
Start	1	End	2217
Name	OJ000113_27.0215.C8.o1.gp	Method	AAT/GAP
Start	29	End	1219
GI	8209_1.R1084	Score	1543
Exons	29..485, 732..893, 980..1219		
GI Descrip.	'2582381 1.0e-146 (AF021220) cation-chloride co-transporter [Nicotiana tabacum]'		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55797	Strand	+
Start	1	End	2217
Name	OJ000113_27.0215.C8.o1.gs	Method	GENSCAN
Start	156	End	2217
GI	none	Score	.46
Exons	156..485, 732..815, 980..1944, 2140..2217		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55798	Strand	+
Start	9982	End	17518
Name	OJ000113_27.0215.C8.o5.gs	Method	GENSCAN
Start	9982	End	16997
GI	none	Score	.65
Exons	9982..10148, 10567..10673, 12003..12187, 13213..13522, 13616..14189, 14332..14720, 15510..15712, 15817..15858, 16237..16361, 16850..16997		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55798	Strand	+
Start	9982	End	17518
Name	OJ000113_27.0215.C8.o2.np	Method	AAT/NAP
Start	13824	End	17518
GI	4689475	Score	929
Exons	13824..13958, 14085..14325, 14704..14836, 15395..15755, 16237..16361, 16850..17004, 17481..17518		
GI Descrip.	(AC007213) putative ribonuclease E [Arabidopsis thaliana]		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55799	Strand	-
Start	1328	End	2548
Name	OJ000113_27.0215.C8.o2.gp	Method	AAT/GAP
Start	1328	End	2548
GI	4433_1.R1084	Score	2399
Exons	1328..2548		
GI Descrip.	'2582381 2.0e-83 (AF021220) cation-chloride co-transporter [Nicotiana tabacum]'		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55800	Strand	-
Start	2907	End	4672
Name	OJ000113_27.0215.C8.o1.ts	Method	TBLASTX:Soybean
Start	37	End	1374
GI	none	Score	629
Exons	37..492, 71..484, 1026..1133, 1031..1363, 1045..1371, 1048..1374		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55800	Strand	-
Start	2907	End	4672
Name	OJ000113_27.0215.C8.o4.tm	Method	TBLASTX:Maize
Start	70	End	295
GI	none	Score	347
Exons	70..294, 71..295		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55800	Strand	-
Start	2907	End	4672
Name	OJ000113_27.0215.C8.o1.tc	Method	TBLASTX:Cress
Start	278	End	903
GI	none	Score	350
Exons	278..484, 281..451, 283..492, 730..762, 730..891, 731..892, 810..893, 811..903		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55800	Strand	-
Start	2907	End	4672
Name	OJ000113_27.0215.C8.o1.tm	Method	TBLASTX:Maize
Start	344	End	1602
GI	none	Score	258
Exons	344..490, 344..451, 349..492, 733..891, 734..892, 738..893, 795..893, 978..1601, 978..1139, 979..1602, 979..1587		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55800	Strand	-
Start	2907	End	4672
Name	OJ000113_27.0215.C8.o3.ts	Method	TBLASTX:Soybean
Start	1386	End	1599
GI	none	Score	205
Exons	1386..1598, 1408..1599		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55800	Strand	-
Start	2907	End	4672
Name	OJ000113_27.0215.C8.o2.tm	Method	TBLASTX:Maize
Start	1603	End	2314

GI	none	Score	462
Exons	1603..1929, 1603..2088, 1610..2095, 1611..2081, 1629..2105, 1981..2094, 2181..2210, 2288..2314		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55800	Strand	-
Start	2907	End	4672
Name	OJ000113_27.0215.C8.o2.ts	Method	TBLASTX:Soybean
Start	1603	End	2004
GI	none	Score	118
Exons	1603..1686, 1626..1685, 1728..2003, 1729..1929, 1791..2003, 1981..2004		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55800	Strand	-
Start	2907	End	4672
Name	OJ000113_27.0215.C8.o2.gs	Method	GENSCAN
Start	2907	End	4672
GI	none	Score	.71
Exons	2907..3050, 3557..3726, 3847..4133, 4521..4672		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55801	Strand	
Start	14543	End	15546
Name	OJ000113_27.0215.C8.o3.tm	Method	TBLASTX:Maize
Start	14543	End	15546
GI	none	Score	50
Exons	14543..14593, 14569..14835, 14582..14839, 14598..14840, 14598..14840, 14632..14844, 15383..15544, 15394..15546		

Seq. No.	26934	Seq. ID	OJ000113_27.0215.C8
Gene No.	55802	Strand	
Start	15546	End	15866
Name	OJ000113_27.0215.C8.o5.tm	Method	TBLASTX:Maize
Start	15546	End	15866
GI	none	Score	55
Exons	15546..15605, 15547..15597, 15548..15709, 15548..15712, 15627..15713, 15654..15713, 15805..15861, 15813..15866, 15814..15861, 15816..15863		

Seq. No.	26935	Seq. ID	OJ000113_27.0215.C9
Gene No.	55803	Strand	+
Start	366	End	8504
Name	OJ000113_27.0215.C9.o1.gs	Method	GENSCAN
Start	366	End	8504
GI	none	Score	.63
Exons	366..444, 1255..1367, 1492..1611, 2107..2262, 3297..3362, 4598..4645, 5901..5990, 7225..7508, 8300..8504		

Seq. No.	26935	Seq. ID	OJ000113_27.0215.C9
Gene No.	55803	Strand	+
Start	366	End	8504
Name	OJ000113_27.0215.C9.o1.np	Method	AAT/NAP
Start	372	End	1687
GI	4689475	Score	342
Exons	372..444, 1255..1367, 1492..1687		
GI Descrip.	(AC007213) putative ribonuclease E [Arabidopsis thaliana]		

Seq. No.	26935	Seq. ID	OJ000113_27.0215.C9
Gene No.	55803	Strand	+
Start	366	End	8504
Name	OJ000113_27.0215.C9.o3.np	Method	AAT/NAP
Start	5438	End	8417
GI	6815052	Score	48
Exons	5438..5515, 7059..7143, 8300..8417		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	26935	Seq. ID	OJ000113_27.0215.C9
Gene No.	55804	Strand	-
Start	6575	End	6776
Name	OJ000113_27.0215.C9.o1.tm	Method	TBLASTX:Maize
Start	368	End	2214
GI	none	Score	83
Exons	368..442, 368..442, 1254..1370, 1256..1369, 1491..1613, 1491..1610, 1492..1617, 1492..1620, 2102..2197, 2106..2213, 2107..2193, 2107..2214		

Seq. No.	26935	Seq. ID	OJ000113_27.0215.C9
Gene No.	55804	Strand	-
Start	6575	End	6776
Name	OJ000113_27.0215.C9.o2.np	Method	AAT/NAP
Start	6575	End	6776
GI	133416	Score	164
Exons	6575..6776		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi|66970|pir||RNRZB DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - rice chloroplast gi|11971|emb|CAA33986| (X15901) RNA polymerase beta subunit [Oryza sativa]		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55805	Strand	+
Start	1	End	1661
Name	OJ000113_27.0215.C10.o1.np	Method	AAT/NAP
Start	1	End	1661
GI	4185136	Score	178
Exons	1..32, 866..1661		
GI Descrip.	(AC005724) putative trehalose-6-phosphate synthase [Arabidopsis thaliana]		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55806	Strand	+
Start	2154	End	2933
Name	OJ000113_27.0215.C10.o2.gp	Method	AAT/GAP
Start	2154	End	2578
GI	none	Score	813
Exons	2154..2578		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55806	Strand	+
Start	2154	End	2933
Name	OJ000113_27.0215.C10.o1.gs	Method	GENSCAN
Start	2370	End	2933
GI	none	Score	.55
Exons	2370..2933		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55807	Strand	+
Start	6986	End	13134
Name	OJ000113_27.0215.C10.o2.gs	Method	GENSCAN
Start	6986	End	13134
GI	none	Score	.5
Exons	6986..6996, 7001..7317, 7640..7718, 7898..8633, 9035..9140, 9447..9526, 10006..10083, 12349..12729, 12877..13134		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55807	Strand	+
Start	6986	End	13134
Name	OJ000113_27.0215.C10.o4.gp	Method	AAT/GAP
Start	12037	End	12108
GI	uC-osroM202024h08a1	Score	80
Exons	12037..12108		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55808	Strand	-
Start	2701	End	3081
Name	OJ000113_27.0215.C10.o3.gp	Method	AAT/GAP
Start	2701	End	3081
GI	LIB3431-029-P1-N1-A3	Score	667
Exons	2701..3081		
GI Descrip.	'4585992/gb|AAD25628.1|AC005287_30 6.0e-15 (AC005287) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o7.tm	Method	TBLASTX:Maize
Start	1290	End	1660
GI	none	Score	146
Exons	1290..1496, 1323..1496, 1336..1497, 1361..1501, 1503..1583, 1504..1593, 1505..1591, 1619..1660, 1621..1653		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o6.tm	Method	TBLASTX:Maize
Start	2409	End	2753
GI	none	Score	48
Exons	2409..2471, 2583..2687, 2621..2665, 2666..2698, 2667..2735, 2700..2738, 2739..2753		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o1.ts	Method	TBLASTX:Soybean
Start	2598	End	2828
GI	none	Score	375
Exons	2598..2828, 2621..2695, 2741..2824		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10

Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o1.tc	Method	TBLASTX:Cress
Start	2703	End	2876
GI	none	Score	252
Exons	2703..2876, 2741..2851		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o10.tm	Method	TBLASTX:Maize
Start	13412	End	13655
GI	none	Score	40
Exons	13412..13441, 13412..13450, 13443..13625, 13443..13655		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o3.gs	Method	GENSCAN
Start	13416	End	17867
GI	none	Score	1
Exons	13416..17867		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o2.np	Method	AAT/NAP
Start	13419	End	18481
GI	4680179	Score	5630
Exons	13419..16820, 16848..17797, 18365..18481		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o5.tw	Method	TBLASTX:Wheat
Start	13464	End	13797
GI	none	Score	41
Exons	13464..13796, 13657..13704, 13692..13793, 13723..13797		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o1.tm	Method	TBLASTX:Maize
Start	13659	End	14243
GI	none	Score	89
Exons	13659..14084, 13782..13970, 13783..14085, 14080..14235, 14082..14243, 14089..14235, 14091..14237		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o1.tw	Method	TBLASTX:Wheat
Start	13797	End	14423
GI	none	Score	369
Exons	13797..14423, 13798..14421		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o3.tm	Method	TBLASTX:Maize
Start	14292	End	14583
GI	none	Score	290
Exons	14292..14582, 14296..14583		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o3.ts	Method	TBLASTX:Soybean
Start	14382	End	14642
GI	none	Score	87
Exons	14382..14639, 14382..14642, 14383..14640		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o2.tc	Method	TBLASTX:Cress
Start	14406	End	14732
GI	none	Score	77
Exons	14406..14549, 14425..14547, 14550..14732		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o2.tw	Method	TBLASTX:Wheat
Start	14430	End	14966
GI	none	Score	280
Exons	14430..14966, 14431..14712, 14436..14876, 14737..14964		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o2.tm	Method	TBLASTX:Maize
Start	14997	End	15350
GI	none	Score	49
Exons	14997..15350, 15004..15036, 15012..15344, 15082..15345		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o3.tw	Method	TBLASTX:Wheat
Start	14997	End	15423
GI	none	Score	239
Exons	14997..15374, 14997..15422, 15004..15423		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o4.ts	Method	TBLASTX:Soybean
Start	15168	End	15413
GI	none	Score	209
Exons	15168..15413		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10

Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o5.tm	Method	TBLASTX:Maize
Start	15352	End	15689
GI	none	Score	153
Exons	15352..15636, 15357..15689		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o6.tw	Method	TBLASTX:Wheat
Start	15424	End	15698
GI	none	Score	254
Exons	15424..15678, 15424..15684, 15426..15686, 15456..15698		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o2.ts	Method	TBLASTX:Soybean
Start	15438	End	15833
GI	none	Score	168
Exons	15438..15689, 15448..15678, 15495..15692, 15652..15795, 15653..15796, 15744..15797, 15801..15833, 15801..15833		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o4.tm	Method	TBLASTX:Maize
Start	15744	End	16191
GI	none	Score	66
Exons	15744..16187, 16009..16191		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o4.tw	Method	TBLASTX:Wheat
Start	15774	End	16260
GI	none	Score	193
Exons	15774..16256, 15816..16145, 15967..16260		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o5.ts	Method	TBLASTX:Soybean
Start	15906	End	16220
GI	none	Score	191
Exons	15906..16220		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o8.tw	Method	TBLASTX:Wheat
Start	16395	End	16742
GI	none	Score	242
Exons	16395..16742		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10

Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o9.tm	Method	TBLASTX:Maize
Start	16476	End	16796
GI	none	Score	194
Exons	16476..16796		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o7.tw	Method	TBLASTX:Wheat
Start	17097	End	17438
GI	none	Score	67
Exons	17097..17438, 17296..17418		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o8.tm	Method	TBLASTX:Maize
Start	17142	End	17438
GI	none	Score	207
Exons	17142..17438		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o9.tw	Method	TBLASTX:Wheat
Start	17493	End	17675
GI	none	Score	138
Exons	17493..17675, 17494..17673		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o4.gs	Method	GENSCAN
Start	18153	End	18917
GI	none	Score	.86
Exons	18153..18917		

Seq. No.	26936	Seq. ID	OJ000113_27.0215.C10
Gene No.	55809	Strand	-
Start	13416	End	18917
Name	OJ000113_27.0215.C10.o3.np	Method	AAT/NAP
Start	18156	End	18917
GI	4512229	Score	1218
Exons	18156..18917		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55810	Strand	+
Start	1	End	5158
Name	OJ000113_27.0215.C11.o2.np	Method	AAT/NAP
Start	1	End	5158
GI	4689454	Score	122
Exons	1..83, 2119..2491, 5104..5158		
GI Descrip.	(AC006267) putative polyprotein [Arabidopsis thaliana]		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55811	Strand	+
Start	7875	End	8753
Name	OJ000113_27.0215.C11.o2.gs	Method	GENSCAN
Start	7875	End	8753
GI	none	Score	.96
Exons	7875..8107, 8114..8753		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55812	Strand	+
Start	9287	End	10025
Name	OJ000113_27.0215.C11.o4.np	Method	AAT/NAP
Start	9287	End	10025
GI	6069646	Score	349
Exons	9287..10025		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55813	Strand	+
Start	11516	End	11779
Name	OJ000113_27.0215.C11.o3.gs	Method	GENSCAN
Start	11516	End	11779
GI	none	Score	.96
Exons	11516..11779		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55814	Strand	+
Start	13973	End	14797
Name	OJ000113_27.0215.C11.o4.gs	Method	GENSCAN
Start	13973	End	14797
GI	none	Score	.75
Exons	13973..14036, 14646..14797		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55815	Strand	-
Start	5865	End	6553
Name	OJ000113_27.0215.C11.o1.gp	Method	AAT/GAP
Start	5865	End	6138
GI	61605_1.R1084	Score	465
Exons	5865..6138		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55815	Strand	-
Start	5865	End	6553
Name	OJ000113_27.0215.C11.o2.gp	Method	AAT/GAP
Start	5948	End	6553
GI	3761363	Score	879
Exons	5948..6553		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55816	Strand	-
Start	6512	End	12145
Name	OJ000113_27.0215.C11.o3.np	Method	AAT/NAP
Start	6512	End	12145
GI	6063554	Score	216
Exons	6512..6686, 7323..7350, 8006..8226, 12126..12145		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55817	Strand	-
Start	15172	End	16213
Name	OJ000113_27.0215.C11.o1.tm	Method	TBLASTX:Maize
Start	9408	End	9996
GI	none	Score	75
Exons	9408..9539, 9513..9761, 9545..9781, 9548..9757, 9549..9761, 9750..9842, 9853..9996, 9860..9991		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55817	Strand	-
Start	15172	End	16213
Name	OJ000113_27.0215.C11.o1.tw	Method	TBLASTX:Wheat
Start	9548	End	9898
GI	none	Score	190
Exons	9548..9688, 9552..9737, 9860..9898		

Seq. No.	26937	Seq. ID	OJ000113_27.0215.C11
Gene No.	55817	Strand	-
Start	15172	End	16213
Name	OJ000113_27.0215.C11.o5.gs	Method	GENSCAN
Start	15172	End	16213
GI	none	Score	.9
Exons	15172..15373, 16164..16213		

Seq. No.	26938	Seq. ID	OJ000113_27.0215.C13
Gene No.	55818	Strand	+
Start	144	End	280
Name	OJ000113_27.0215.C13.o1.gs	Method	GENSCAN
Start	144	End	280
GI	none	Score	.75
Exons	144..280		

Seq. No.	26939	Seq. ID	OJ000113_28.0218.C2
Gene No.	55819	Strand	-
Start	1050	End	3088
Name	OJ000113_28.0218.C2.o1.gs	Method	GENSCAN
Start	1050	End	3088
GI	none	Score	.82
Exons	1050..2303, 2393..2582, 2613..3088		

Seq. No.	26940	Seq. ID	OJ000113_28.0218.C3
Gene No.	55820	Strand	+
Start	4614	End	8493
Name	OJ000113_28.0218.C3.o1.np	Method	AAT/NAP
Start	4263	End	5642

GI	120537	Score	84
Exons	4263..4309, 5472..5642		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT I (FRXB PROTEIN) gi|65735|pir||FERZB ferredoxin 2[4Fe-4S] frxB - rice chloroplast gi|12054|emb|CAA33909| (X15901) 18kDa protein related to a subunit of NADH dehydroghenase [Oryza sativa] gi|226675|prf||1603356DC NADH dehydrogenase-like 18kD protein [Oryza sativa]		

Seq. No.	26940	Seq. ID	OJ000113_28.0218.C3
Gene No.	55820	Strand	+
Start	4614	End	8493
Name	OJ000113_28.0218.C3.o2.gs	Method	GENSCAN
Start	4614	End	8394
GI	none	Score	.6
Exons	4614..4669, 5026..5259, 5827..5978, 6057..6161, 6330..6382, 6482..6742, 6929..7107, 7690..7733, 8089..8166, 8263..8394		

Seq. No.	26940	Seq. ID	OJ000113_28.0218.C3
Gene No.	55820	Strand	+
Start	4614	End	8493
Name	OJ000113_28.0218.C3.o2.np	Method	AAT/NAP
Start	6680	End	8493
GI	5803253	Score	88
Exons	6680..6720, 8068..8172, 8263..8493		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	26940	Seq. ID	OJ000113_28.0218.C3
Gene No.	55821	Strand	-
Start	374	End	1679
Name	OJ000113_28.0218.C3.o1.gs	Method	GENSCAN
Start	374	End	1679
GI	none	Score	.49
Exons	374..687, 1583..1679		

Seq. No.	26941	Seq. ID	OJ000113_28.0218.C4
Gene No.	55822	Strand	+
Start	96	End	2014
Name	OJ000113_28.0218.C4.o1.gs	Method	GENSCAN
Start	96	End	2014
GI	none	Score	.84
Exons	96..232, 793..876, 1635..1757, 1822..2014		

Seq. No.	26941	Seq. ID	OJ000113_28.0218.C4
Gene No.	55823	Strand	+
Start	4944	End	8681
Name	OJ000113_28.0218.C4.o3.gs	Method	GENSCAN
Start	4944	End	8407
GI	none	Score	.78
Exons	4944..4955, 4979..5208, 5367..5571, 7154..7225, 7775..8407		

Seq. No.	26941	Seq. ID	OJ000113_28.0218.C4
Gene No.	55823	Strand	+
Start	4944	End	8681
Name	OJ000113_28.0218.C4.o1.gp	Method	AAT/GAP

Start	7088	End	7944
GI	3061126	Score	863
Exons	7088..7225, 7625..7944		

Seq. No.	26941	Seq. ID	OJ000113_28.0218.C4
Gene No.	55823	Strand	+
Start	4944	End	8681
Name	OJ000113_28.0218.C4.o2.gp	Method	AAT/GAP
Start	8194	End	8681
GI	3763017	Score	895
Exons	8194..8681		

Seq. No.	26942	Seq. ID	OJ000113_28.0218.C5
Gene No.	55824	Strand	+
Start	118	End	228
Name	OJ000113_28.0218.C5.o1.gs	Method	GENSCAN
Start	118	End	228
GI	none	Score	.57
Exons	118..228		

Seq. No.	26943	Seq. ID	OJ000113_28.0218.C6
Gene No.	55825	Strand	+
Start	1728	End	2411
Name	OJ000113_28.0218.C6.o1.gs	Method	GENSCAN
Start	1728	End	2411
GI	none	Score	.69
Exons	1728..1796, 2391..2411		

Seq. No.	26943	Seq. ID	OJ000113_28.0218.C6
Gene No.	55826	Strand	+
Start	3198	End	5809
Name	OJ000113_28.0218.C6.o1.np	Method	AAT/NAP
Start	3198	End	5809
GI	5734721	Score	104
Exons	3198..3254, 3396..3745, 5791..5809		
GI Descrip.	(AC008075) Similar to gb|AF023472 peptide transporter from Hordeum vulgare and is a member of the PF|00854 Peptide transporter family. ESTs gb|T41927 and gb|AA395024 come from this gene. [Arabidopsis thaliana]		

Seq. No.	26944	Seq. ID	OJ000113_28.0218.C7
Gene No.	55827	Strand	+
Start	3636	End	5596
Name	OJ000113_28.0218.C7.o2.np	Method	AAT/NAP
Start	3636	End	5596
GI	6648208	Score	1040
Exons	3636..4591, 4622..4720, 4964..5135, 5386..5596		
GI Descrip.	(AC013483) putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]		

Seq. No.	26944	Seq. ID	OJ000113_28.0218.C7
Gene No.	55828	Strand	-
Start	1	End	5132
Name	OJ000113_28.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	3978
GI	6721516	Score	192
Exons	1..48, 1308..1409, 1816..2054, 3914..3978		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	26944	Seq. ID	OJ000113_28.0218.C7
Gene No.	55828	Strand	-
Start	1	End	5132
Name	OJ000113_28.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	3675	End	4265
GI	none	Score	195
Exons	3675..4115, 3777..4184, 3779..3889, 3849..4226, 3947..4183, 3968..4156, 3995..4183, 4053..4265, 4055..4225, 4127..4261		

Seq. No.	26944	Seq. ID	OJ000113_28.0218.C7
Gene No.	55828	Strand	-
Start	1	End	5132
Name	OJ000113_28.0218.C7.o1.tc	Method	TBLASTX:Cress
Start	3696	End	5132
GI	none	Score	155
Exons	3696..3950, 3708..4166, 3711..3761, 3761..3889, 3762..4226, 3888..4226, 3965..4204, 3968..4225, 3968..4225, 3968..4192, 3969..4265, 4026..4265, 4094..4219, 4647..4721, 4649..4729, 5000..5131, 5001..5132		

Seq. No.	26944	Seq. ID	OJ000113_28.0218.C7
Gene No.	55828	Strand	-
Start	1	End	5132
Name	OJ000113_28.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	3696	End	4324
GI	none	Score	166
Exons	3696..4046, 3708..4118, 3761..3811, 3768..4187, 3848..3895, 3855..4220, 3927..4256, 3947..4117, 3956..4183, 3968..4219, 3974..4225, 3993..4226, 4044..4220, 4113..4256, 4274..4324		

Seq. No.	26944	Seq. ID	OJ000113_28.0218.C7
Gene No.	55828	Strand	-
Start	1	End	5132
Name	OJ000113_28.0218.C7.o1.tw	Method	TBLASTX:Wheat
Start	3696	End	4265
GI	none	Score	77
Exons	3696..3812, 3705..3902, 3708..4043, 3720..4109, 3761..3811, 3762..4178, 3840..4226, 3848..3895, 3851..3898, 3900..4220, 3947..4177, 3965..4219, 3968..4219, 3968..4183, 3969..4256, 4034..4186, 4035..4226, 4106..4225, 4173..4265		

Seq. No.	26944	Seq. ID	OJ000113_28.0218.C7
Gene No.	55828	Strand	-
Start	1	End	5132
Name	OJ000113_28.0218.C7.o2.ts	Method	TBLASTX:Soybean
Start	4646	End	5126
GI	none	Score	118
Exons	4646..4720, 4647..4721, 4955..5125, 4956..5126		

Seq. No.	26944	Seq. ID	OJ000113_28.0218.C7
Gene No.	55828	Strand	-
Start	1	End	5132
Name	OJ000113_28.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	4671	End	5132
GI	none	Score	83

Exons	4671..4721, 4955..5131, 4956..5132		
Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55829	Strand	+
Start	1	End	2358
Name	OJ000113_28.0218.C8.o1.np	Method	AAT/NAP
Start	1	End	230
GI	2739371	Score	225
Exons	1..230		
GI Descrip.	(AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55829	Strand	+
Start	1	End	2358
Name	OJ000113_28.0218.C8.o3.np	Method	AAT/NAP
Start	1	End	886
GI	6069646	Score	109
Exons	1..24, 651..886		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55829	Strand	+
Start	1	End	2358
Name	OJ000113_28.0218.C8.o2.np	Method	AAT/NAP
Start	1	End	649
GI	5852084	Score	73
Exons	1..52, 560..649		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55829	Strand	+
Start	1	End	2358
Name	OJ000113_28.0218.C8.o1.gs	Method	GENSCAN
Start	33	End	2358
GI	none	Score	.91
Exons	33..183, 1245..1345, 1524..1649, 1773..1872, 1967..2358		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55830	Strand	+
Start	3727	End	4201
Name	OJ000113_28.0218.C8.o1.gp	Method	AAT/GAP
Start	3727	End	4201
GI	none	Score	934
Exons	3727..4201		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55831	Strand	-
Start	4739	End	8081
Name	OJ000113_28.0218.C8.o3.tm	Method	TBLASTX:Maize
Start	1	End	152
GI	none	Score	81
Exons	1..69, 2..124, 3..152		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55831	Strand	-
Start	4739	End	8081
Name	OJ000113_28.0218.C8.o2.ts	Method	TBLASTX:Soybean
Start	2	End	152
GI	none	Score	249
Exons	2..127, 3..152		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55831	Strand	-
Start	4739	End	8081
Name	OJ000113_28.0218.C8.o4.tm	Method	TBLASTX:Maize
Start	2097	End	4059
GI	none	Score	133
Exons	2097..2198, 2098..2262, 2241..2354, 2242..2355, 3246..3350, 3246..3350, 3251..3361, 3254..3355, 3861..4028, 3865..4035, 3874..4059		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55831	Strand	-
Start	4739	End	8081
Name	OJ000113_28.0218.C8.o4.np	Method	AAT/NAP
Start	3307	End	8081
GI	3046995	Score	213
Exons	3307..3374, 4811..4920, 6756..7350, 7705..7885, 8039..8081		
GI Descrip.	(AF056717) ash212 [Homo sapiens]		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55831	Strand	-
Start	4739	End	8081
Name	OJ000113_28.0218.C8.o2.gs	Method	GENSCAN
Start	4739	End	7725
GI	none	Score	.76
Exons	4739..5013, 6651..7725		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55831	Strand	-
Start	4739	End	8081
Name	OJ000113_28.0218.C8.o2.tm	Method	TBLASTX:Maize
Start	4740	End	7023
GI	none	Score	305
Exons	4740..5015, 4747..5007, 4886..5014, 6754..6783, 6755..6787, 6774..7016, 6778..7023, 6785..7018		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55831	Strand	-
Start	4739	End	8081
Name	OJ000113_28.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	6823	End	7053
GI	none	Score	100
Exons	6823..7053, 6845..7033		

Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55831	Strand	-
Start	4739	End	8081
Name	OJ000113_28.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	7036	End	7395

GI	none	Score	207
Exons	7036..7257, 7036..7290, 7070..7285, 7345..7395, 7356..7376		
Seq. No.	26945	Seq. ID	OJ000113_28.0218.C8
Gene No.	55831	Strand	-
Start	4739	End	8081
Name	OJ000113_28.0218.C8.o3.ts	Method	TBLASTX:Soybean
Start	7057	End	7290
GI	none	Score	116
Exons	7057..7239, 7058..7201, 7228..7290		
Seq. No.	26946	Seq. ID	OJ000113_28.0218.C9
Gene No.	55832	Strand	+
Start	226	End	712
Name	OJ000113_28.0218.C9.o1.gs	Method	GENSCAN
Start	226	End	712
GI	none	Score	.83
Exons	226..350, 652..712		
Seq. No.	26946	Seq. ID	OJ000113_28.0218.C9
Gene No.	55833	Strand	-
Start	1513	End	3640
Name	OJ000113_28.0218.C9.o2.gs	Method	GENSCAN
Start	1513	End	3640
GI	none	Score	.6
Exons	1513..1597, 1732..2058, 2459..2538, 3175..3495, 3575..3640		
Seq. No.	26946	Seq. ID	OJ000113_28.0218.C9
Gene No.	55833	Strand	-
Start	1513	End	3640
Name	OJ000113_28.0218.C9.o1.gp	Method	AAT/GAP
Start	1741	End	2173
GI	14649_2.R1084	Score	750
Exons	1741..2173		
GI Descrip.	'1825645 2.0e-27 (U88173) weak similarity to Arabidopsis thaliana ubiquitin-like protein 8 [Caenorhabditis elegans]'		
Seq. No.	26946	Seq. ID	OJ000113_28.0218.C9
Gene No.	55833	Strand	-
Start	1513	End	3640
Name	OJ000113_28.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	1755	End	2017
GI	none	Score	45
Exons	1755..1964, 1763..1819, 1766..2017, 1848..1964		
Seq. No.	26946	Seq. ID	OJ000113_28.0218.C9
Gene No.	55833	Strand	-
Start	1513	End	3640
Name	OJ000113_28.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	1787	End	2017
GI	none	Score	198
Exons	1787..2017, 1848..1964		
Seq. No.	26946	Seq. ID	OJ000113_28.0218.C9
Gene No.	55833	Strand	-
Start	1513	End	3640
Name	OJ000113_28.0218.C9.o1.tc	Method	TBLASTX:Cress

Start	1793	End	2017
GI	none	Score	143
Exons	1793..2017, 1848..1964		

Seq. No.	26946	Seq. ID	OJ000113_28.0218.C9
Gene No.	55833	Strand	-
Start	1513	End	3640
Name	OJ000113_28.0218.C9.o1.np	Method	AAT/NAP
Start	1796	End	2014
GI	6911856	Score	375
Exons	1796..2014		
GI Descrip.	(AL138649) putative protein [Arabidopsis thaliana]		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55834	Strand	+
Start	7381	End	7592
Name	OJ000113_28.0218.C10.o1.gp	Method	AAT/GAP
Start	7381	End	7592
GI	1631463	Score	310
Exons	7381..7592		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55835	Strand	+
Start	8516	End	9283
Name	OJ000113_28.0218.C10.o3.np	Method	AAT/NAP
Start	8516	End	9283
GI	4680183	Score	198
Exons	8516..8584, 9192..9283		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55836	Strand	-
Start	123	End	5614
Name	OJ000113_28.0218.C10.o1.gs	Method	GENSCAN
Start	123	End	5614
GI	none	Score	.73
Exons	123..246, 1191..1847, 2049..2144, 2262..3911, 4083..4183, 4421..4750, 4786..5614		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55836	Strand	-
Start	123	End	5614
Name	OJ000113_28.0218.C10.o1.np	Method	AAT/NAP
Start	1056	End	5614
GI	4680179	Score	7596
Exons	1056..5614		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55837	Strand	-
Start	5864	End	13107
Name	OJ000113_28.0218.C10.o2.gs	Method	GENSCAN
Start	5864	End	13107
GI	none	Score	.62

Exons 5864..6820, 7450..7740, 8440..8581, 10014..10238, 10331..10454, 11580..11865, 12115..12322, 12677..13107

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55837	Strand	-
Start	5864	End	13107
Name	OJ000113_28.0218.C10.o2.np	Method	AAT/NAP
Start	5867	End	6754
GI	5042448	Score	1349
Exons	5867..6161, 6192..6754		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55837	Strand	-
Start	5864	End	13107
Name	OJ000113_28.0218.C10.o2.gp	Method	AAT/GAP
Start	8371	End	8581
GI	1631463	Score	322
Exons	8371..8581		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55837	Strand	-
Start	5864	End	13107
Name	OJ000113_28.0218.C10.o4.np	Method	AAT/NAP
Start	9115	End	12996
GI	5441880	Score	1207
Exons	9115..9176, 11985..12996		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o8.tm	Method	TBLASTX:Maize
Start	1080	End	1277
GI	none	Score	188
Exons	1080..1277		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o7.tw	Method	TBLASTX:Wheat
Start	1101	End	1433
GI	none	Score	63
Exons	1101..1433, 1122..1283, 1300..1341, 1326..1406		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	1281	End	1880
GI	none	Score	263

Exons	1281..1721, 1306..1719, 1719..1880, 1726..1872		
Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	1434	End	2060
GI	none	Score	390
Exons	1434..2060, 1435..2058		
Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o5.tm	Method	TBLASTX:Maize
Start	1929	End	2220
GI	none	Score	249
Exons	1929..2219, 1933..2220		
Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o2.ts	Method	TBLASTX:Soybean
Start	2019	End	2279
GI	none	Score	159
Exons	2019..2279, 2020..2274		
Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	2043	End	2369
GI	none	Score	87
Exons	2043..2186, 2044..2184, 2187..2369		
Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o3.tw	Method	TBLASTX:Wheat
Start	2067	End	2547
GI	none	Score	233
Exons	2067..2546, 2068..2322, 2100..2501, 2374..2547		
Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o2.tw	Method	TBLASTX:Wheat
Start	2550	End	17693
GI	none	Score	219
Exons	2550..3059, 2634..2981, 2641..3027, 2869..3060, 17445..17693		
Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o2.tm	Method	TBLASTX:Maize
Start	2769	End	17975
GI	none	Score	42
Exons	2769..3326, 2923..3024, 3064..3327, 17448..17975, 17449..17967		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o3.ts	Method	TBLASTX:Soybean
Start	2808	End	17690
GI	none	Score	95
Exons	2808..3053, 17445..17690, 17539..17688		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o6.tw	Method	TBLASTX:Wheat
Start	3061	End	17999
GI	none	Score	231
Exons	3061..3324, 3066..3323, 3260..3361, 17694..17969, 17697..17999, 17719..17970		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	3075	End	18071
GI	none	Score	161
Exons	3075..3326, 3076..3318, 3354..3434, 3381..3434, 3438..3470, 17724..18071		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o3.tm	Method	TBLASTX:Maize
Start	3387	End	18469
GI	none	Score	117
Exons	3387..3824, 3390..3737, 3454..3813, 17994..18467, 17997..18143, 18004..18465, 18210..18467, 18293..18469		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o4.tw	Method	TBLASTX:Wheat
Start	3411	End	18530
GI	none	Score	177
Exons	3411..3893, 3444..3779, 3454..3816, 18048..18530, 18052..18453		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o4.ts	Method	TBLASTX:Soybean
Start	3543	End	18494
GI	none	Score	202
Exons	3543..3857, 18180..18494		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o9.tw	Method	TBLASTX:Wheat
Start	4056	End	19072

GI	none	Score	103
Exons	4056..4241, 4057..4227, 4263..4472, 4324..4422, 18830..18901, 19019..19072		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o7.tm	Method	TBLASTX:Maize
Start	4811	End	5107
GI	none	Score	118
Exons	4811..5107, 4823..5107		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o8.tw	Method	TBLASTX:Wheat
Start	4988	End	5347
GI	none	Score	96
Exons	4988..5347, 4989..5222, 5247..5321		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o5.tw	Method	TBLASTX:Wheat
Start	11758	End	12135
GI	none	Score	65
Exons	11758..11931, 11769..11909, 11840..11932, 11956..12132, 11981..12133, 11986..12135		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o4.tm	Method	TBLASTX:Maize
Start	11833	End	12429
GI	none	Score	214
Exons	11833..11904, 11951..12424, 11962..12429		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o5.np	Method	AAT/NAP
Start	15257	End	19751
GI	4539436	Score	937
Exons	15257..15276, 17435..18965, 19281..19326, 19708..19751		
GI Descrip.	(AL049523) putative reverse-transcriptase-like protein [Arabidopsis thaliana]		

Seq. No.	26947	Seq. ID	OJ000113_28.0218.C10
Gene No.	55838	Strand	-
Start	15257	End	19751
Name	OJ000113_28.0218.C10.o6.tm	Method	TBLASTX:Maize
Start	18734	End	19369
GI	none	Score	67
Exons	18734..18820, 18914..19159, 19214..19369, 19221..19319		

Seq. No.	26948	Seq. ID	OJ000113_28.0218.C11
Gene No.	55839	Strand	+

Start	1	End	407
Name	OJ000113_28.0218.C11.o1.np	Method	AAT/NAP
Start	1	End	407
GI	6539567	Score	120
Exons	1..407		
GI Descrip.	(AP000836) EST C72938(E2506) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome I BAC T5A14 genomic sequence; unknown protein (AC005223) [Oryza sativa]		

Seq. No.	26949	Seq. ID	OJ000113_28.0218.C12
Gene No.	55840	Strand	+
Start	57	End	334
Name	OJ000113_28.0218.C12.o1.gs	Method	GENSCAN
Start	57	End	334
GI	none	Score	.99
Exons	57..334		

Seq. No.	26949	Seq. ID	OJ000113_28.0218.C12
Gene No.	55841	Strand	+
Start	1892	End	2617
Name	OJ000113_28.0218.C12.o1.np	Method	AAT/NAP
Start	1892	End	2617
GI	2335102	Score	332
Exons	1892..2617		
GI Descrip.	(AC002339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	26949	Seq. ID	OJ000113_28.0218.C12
Gene No.	55842	Strand	-
Start	4028	End	4177
Name	OJ000113_28.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	145	End	322
GI	none	Score	219
Exons	145..291, 146..322		

Seq. No.	26949	Seq. ID	OJ000113_28.0218.C12
Gene No.	55842	Strand	-
Start	4028	End	4177
Name	OJ000113_28.0218.C12.o3.gs	Method	GENSCAN
Start	4028	End	4177
GI	none	Score	.59
Exons	4028..4177		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55843	Strand	+
Start	2295	End	8729
Name	OJ000113_28.0218.C13.o3.gs	Method	GENSCAN
Start	2295	End	8116
GI	none	Score	.63
Exons	2295..2480, 2950..3206, 3256..4003, 4229..4660, 4715..4924, 4979..5620, 5654..6148, 6182..6801, 6936..7195, 7221..8116		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55843	Strand	+
Start	2295	End	8729
Name	OJ000113_28.0218.C13.o1.np	Method	AAT/NAP
Start	4335	End	8729

GI	4206306	Score	3000
Exons	4335..4378, 4849..8729		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55844	Strand	+
Start	9181	End	10027
Name	OJ000113_28.0218.C13.o2.np	Method	AAT/NAP
Start	9181	End	10027
GI	5295955	Score	105
Exons	9181..9251, 9791..9904, 10009..10027		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55845	Strand	-
Start	832	End	1015
Name	OJ000113_28.0218.C13.o2.gs	Method	GENSCAN
Start	832	End	1015
GI	none	Score	.93
Exons	832..957, 983..1015		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55846	Strand	
Start	5051	End	5410
Name	OJ000113_28.0218.C13.o5.tw	Method	TBLASTX:Wheat
Start	5051	End	5410
GI	none	Score	65
Exons	5051..5137, 5233..5409, 5234..5410		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55847	Strand	
Start	5612	End	6097
Name	OJ000113_28.0218.C13.o1.tw	Method	TBLASTX:Wheat
Start	5612	End	6067
GI	none	Score	459
Exons	5612..6067, 5662..6066		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55847	Strand	
Start	5612	End	6097
Name	OJ000113_28.0218.C13.o1.tm	Method	TBLASTX:Maize
Start	5740	End	6097
GI	none	Score	428
Exons	5740..6096, 5741..6097		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55848	Strand	
Start	6125	End	6612
Name	OJ000113_28.0218.C13.o2.tm	Method	TBLASTX:Maize
Start	6125	End	6508
GI	none	Score	392
Exons	6125..6508, 6166..6495		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55848	Strand	
Start	6125	End	6612

Name	OJ000113_28.0218.C13.o2.tw	Method	TBLASTX:Wheat
Start	6181	End	6601
GI	none	Score	441
Exons	6181..6495, 6182..6601, 6284..6499		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55848	Strand	
Start	6125	End	6612
Name	OJ000113_28.0218.C13.o1.ts	Method	TBLASTX:Soybean
Start	6227	End	6612
GI	none	Score	289
Exons	6227..6610, 6277..6507, 6535..6612		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55849	Strand	
Start	6877	End	7309
Name	OJ000113_28.0218.C13.o3.tw	Method	TBLASTX:Wheat
Start	6877	End	7309
GI	none	Score	316
Exons	6877..7224, 6878..7309		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55850	Strand	
Start	7508	End	8134
Name	OJ000113_28.0218.C13.o3.tm	Method	TBLASTX:Maize
Start	7508	End	7969
GI	none	Score	382
Exons	7508..7969, 7555..7830, 7876..7968		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55850	Strand	
Start	7508	End	8134
Name	OJ000113_28.0218.C13.o4.tw	Method	TBLASTX:Wheat
Start	7619	End	8008
GI	none	Score	258
Exons	7619..8008, 7663..7830, 7876..8007		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55850	Strand	
Start	7508	End	8134
Name	OJ000113_28.0218.C13.o2.ts	Method	TBLASTX:Soybean
Start	7781	End	8134
GI	none	Score	94
Exons	7781..7924, 7810..7923, 7931..8134		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55850	Strand	
Start	7508	End	8134
Name	OJ000113_28.0218.C13.o4.tm	Method	TBLASTX:Maize
Start	7970	End	8115
GI	none	Score	201
Exons	7970..8113, 7972..8115		

Seq. No.	26950	Seq. ID	OJ000113_28.0218.C13
Gene No.	55851	Strand	
Start	8169	End	8411
Name	OJ000113_28.0218.C13.o5.tm	Method	TBLASTX:Maize

Start	8169	End	8411
GI	none	Score	187
Exons	8169..8411		

Seq. No.	26951	Seq. ID	OJ000113_28.0218.C14
Gene No.	55852	Strand	+
Start	516	End	934
Name	OJ000113_28.0218.C14.o1.np	Method	AAT/NAP
Start	516	End	934
GI	6721560	Score	118
Exons	516..934		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	26951	Seq. ID	OJ000113_28.0218.C14
Gene No.	55853	Strand	-
Start	480	End	959
Name	OJ000113_28.0218.C14.o1.gs	Method	GENSCAN
Start	480	End	959
GI	none	Score	.42
Exons	480..815, 894..959		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55854	Strand	+
Start	2407	End	7616
Name	OJ000113_28.0218.C15.o2.np	Method	AAT/NAP
Start	2407	End	6457
GI	4680183	Score	128
Exons	2407..2433, 6366..6457		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55854	Strand	+
Start	2407	End	7616
Name	OJ000113_28.0218.C15.o3.np	Method	AAT/NAP
Start	6229	End	7616
GI	3191997	Score	77
Exons	6229..6345, 7121..7616		
GI Descrip.	(AL023797) hypothetical protein SC2E1.21 [Streptomyces coelicolor]		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55855	Strand	+
Start	7713	End	8329
Name	OJ000113_28.0218.C15.o4.np	Method	AAT/NAP
Start	7713	End	8329
GI	6721559	Score	483
Exons	7713..8167, 8199..8329		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55856	Strand	+
Start	8816	End	13853
Name	OJ000113_28.0218.C15.o3.gs	Method	GENSCAN

Start	8816	End	11536
GI	none	Score	.8
Exons	8816..8931, 8999..9035, 9322..9399, 9771..10017, 10959..11536		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55856	Strand	+
Start	8816	End	13853
Name	OJ000113_28.0218.C15.o5.np	Method	AAT/NAP
Start	9997	End	13853
GI	5852179	Score	393
Exons	9997..10017, 11005..11216, 11291..11522, 13768..13853		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55857	Strand	-
Start	377	End	6203
Name	OJ000113_28.0218.C15.o1.gs	Method	GENSCAN
Start	377	End	6203
GI	none	Score	.65
Exons	377..825, 961..4492, 4506..4931, 5078..5228, 5958..5994, 6173..6203		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55857	Strand	-
Start	377	End	6203
Name	OJ000113_28.0218.C15.o1.np	Method	AAT/NAP
Start	380	End	4931
GI	4680179	Score	6601
Exons	380..4931		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55858	Strand	-
Start	7319	End	8286
Name	OJ000113_28.0218.C15.o2.gs	Method	GENSCAN
Start	7319	End	8286
GI	none	Score	.71
Exons	7319..7457, 7501..7566, 7631..7823, 8178..8286		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55859	Strand	-
Start	9107	End	9375
Name	OJ000113_28.0218.C15.o1.gp	Method	AAT/GAP
Start	9107	End	9375
GI	61605_1.R1084	Score	426
Exons	9107..9375		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55860	Strand	-
Start	10355	End	11091
Name	OJ000113_28.0218.C15.o3.gp	Method	AAT/GAP
Start	10355	End	11091
GI	101153_1.R1084	Score	402
Exons	10355..10605, 11053..11091		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o8.tm	Method	TBLASTX:Maize
Start	372	End	616
GI	none	Score	40
Exons	372..428, 407..601, 416..616		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o6.tw	Method	TBLASTX:Wheat
Start	390	End	758
GI	none	Score	36
Exons	390..443, 425..757, 446..730, 543..758		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o1.tm	Method	TBLASTX:Maize
Start	617	End	1204
GI	none	Score	222
Exons	617..1045, 618..1043, 1043..1204, 1050..1196		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o1.tw	Method	TBLASTX:Wheat
Start	758	End	1384
GI	none	Score	317
Exons	758..1384, 759..1379		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o4.tm	Method	TBLASTX:Maize
Start	1253	End	1544
GI	none	Score	221
Exons	1253..1543, 1257..1544		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o2.ts	Method	TBLASTX:Soybean
Start	1343	End	1603
GI	none	Score	158
Exons	1343..1603, 1344..1598		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o3.tw	Method	TBLASTX:Wheat
Start	1394	End	1924
GI	none	Score	230
Exons	1394..1708, 1395..1646, 1396..1647, 1427..1711, 1706..1924		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o2.tm	Method	TBLASTX:Maize
Start	1964	End	2317
GI	none	Score	52
Exons	1964..2317, 1971..2009, 1972..2265, 1979..2275, 2049..2315		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o2.tw	Method	TBLASTX:Wheat
Start	1964	End	2389
GI	none	Score	45
Exons	1964..2389, 1971..2003, 1979..2350, 2049..2381		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o3.ts	Method	TBLASTX:Soybean
Start	2138	End	2383
GI	none	Score	208
Exons	2138..2383		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o3.tm	Method	TBLASTX:Maize
Start	2354	End	2854
GI	none	Score	75
Exons	2354..2689, 2472..2603, 2675..2854		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o5.tw	Method	TBLASTX:Wheat
Start	2390	End	2692
GI	none	Score	214
Exons	2390..2692, 2391..2660, 2399..2692		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o1.ts	Method	TBLASTX:Soybean
Start	2405	End	2800
GI	none	Score	140
Exons	2405..2764, 2415..2660, 2621..2764, 2756..2800, 2768..2800		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o4.tw	Method	TBLASTX:Wheat
Start	2741	End	3226
GI	none	Score	248
Exons	2741..3226, 2784..3119		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o5.tm	Method	TBLASTX:Maize
Start	2922	End	3211
GI	none	Score	135
Exons	2922..3113, 2924..3211, 3140..3211		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o7.tw	Method	TBLASTX:Wheat
Start	3398	End	3802
GI	none	Score	65
Exons	3398..3571, 3429..3506, 3457..3507, 3575..3802, 3633..3752		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o6.tm	Method	TBLASTX:Maize
Start	3485	End	3805
GI	none	Score	75
Exons	3485..3805, 3660..3752		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o7.tm	Method	TBLASTX:Maize
Start	4163	End	4417
GI	none	Score	101
Exons	4163..4417, 4272..4409		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o8.tw	Method	TBLASTX:Wheat
Start	4343	End	4703
GI	none	Score	54
Exons	4343..4417, 4347..4418, 4407..4484, 4429..4698, 4512..4703		

Seq. No.	26952	Seq. ID	OJ000113_28.0218.C15
Gene No.	55861	Strand	-
Start	12421	End	15566
Name	OJ000113_28.0218.C15.o4.gs	Method	GENSCAN
Start	12421	End	15566
GI	none	Score	.84
Exons	12421..12738, 13052..13387, 13414..13869, 13962..14929, 15015..15220, 15251..15354, 15394..15566		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55862	Strand	+
Start	1	End	7776
Name	OJ000113_28.0218.C16.o3.np	Method	AAT/NAP
Start	1	End	7776
GI	4680183	Score	176
Exons	1..81, 7005..7079, 7687..7776		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55863	Strand	+
Start	9054	End	9678
Name	OJ000113_28.0218.C16.o4.np	Method	AAT/NAP
Start	9054	End	9678
GI	6721559	Score	381
Exons	9054..9524, 9553..9678		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55864	Strand	+
Start	14481	End	15759
Name	OJ000113_28.0218.C16.o3.gs	Method	GENSCAN
Start	14481	End	15759
GI	none	Score	.78
Exons	14481..14708, 15110..15280, 15553..15759		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55864	Strand	+
Start	14481	End	15759
Name	OJ000113_28.0218.C16.o5.np	Method	AAT/NAP
Start	15013	End	15039
GI	484643	Score	9
Exons	15013..15039		
GI Descrip.	proline-rich cell wall protein - carrot gi|470322 (L01775) proline-rich protein [Daucus carota]		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55865	Strand	-
Start	729	End	5130
Name	OJ000113_28.0218.C16.o1.np	Method	AAT/NAP
Start	566	End	5130
GI	4680179	Score	7678
Exons	566..5130		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55865	Strand	-
Start	729	End	5130
Name	OJ000113_28.0218.C16.o1.gs	Method	GENSCAN
Start	729	End	5130
GI	none	Score	.6
Exons	729..1377, 1420..2043, 2052..2760, 2811..3695, 3933..4133, 4170..4302, 4384..5130		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55866	Strand	-
Start	5371	End	12868
Name	OJ000113_28.0218.C16.o2.gs	Method	GENSCAN
Start	5371	End	12868
GI	none	Score	.77
Exons	5371..6300, 6932..6983, 7491..7682, 8506..8646, 9000..9242, 9536..9600, 9947..10292, 10725..10777, 12507..12543, 12834..12868		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55866	Strand	-
Start	5371	End	12868
Name	OJ000113_28.0218.C16.o2.np	Method	AAT/NAP
Start	5374	End	6234
GI	5042448	Score	1348
Exons	5374..6234		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55866	Strand	-
Start	5371	End	12868
Name	OJ000113_28.0218.C16.o1.gp	Method	AAT/GAP
Start	12302	End	12831
GI	3107106	Score	480
Exons	12302..12543, 12780..12831		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o5.tw	Method	TBLASTX:Wheat
Start	611	End	945
GI	none	Score	50
Exons	611..772, 768..944, 778..852, 837..917, 874..945		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o1.tm	Method	TBLASTX:Maize
Start	792	End	1391
GI	none	Score	239
Exons	792..1232, 805..1230, 1230..1391, 1237..1383		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o1.tw	Method	TBLASTX:Wheat
Start	945	End	1571
GI	none	Score	377
Exons	945..1571, 946..1569		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o3.tm	Method	TBLASTX:Maize
Start	1440	End	1731
GI	none	Score	226
Exons	1440..1730, 1444..1731		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o2.ts	Method	TBLASTX:Soybean
Start	1530	End	1790
GI	none	Score	157

Exons	1530..1790, 1531..1785		
Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o1.tc	Method	TBLASTX:Cress
Start	1554	End	1871
GI	none	Score	91
Exons	1554..1697, 1555..1695, 1698..1871		
Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o3.tw	Method	TBLASTX:Wheat
Start	1578	End	2006
GI	none	Score	245
Exons	1578..2006, 1579..1833, 1611..1976, 1885..1992		
Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o2.tw	Method	TBLASTX:Wheat
Start	2057	End	2566
GI	none	Score	241
Exons	2057..2566, 2141..2488, 2223..2534		
Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o2.tm	Method	TBLASTX:Maize
Start	2129	End	2494
GI	none	Score	145
Exons	2129..2440, 2136..2333, 2141..2494, 2226..2492		
Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o3.ts	Method	TBLASTX:Soybean
Start	2315	End	2560
GI	none	Score	198
Exons	2315..2560		
Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o4.tm	Method	TBLASTX:Maize
Start	2531	End	3030
GI	none	Score	43
Exons	2531..2815, 2574..2624, 2649..2780, 2848..3030		
Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o6.tw	Method	TBLASTX:Wheat
Start	2567	End	2825
GI	none	Score	221
Exons	2567..2824, 2568..2825		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o1.ts	Method	TBLASTX:Soybean
Start	2582	End	2976
GI	none	Score	161
Exons	2582..2824, 2583..2825, 2827..2940, 2860..2940, 2944..2976, 2944..2976		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o4.tw	Method	TBLASTX:Wheat
Start	2917	End	3405
GI	none	Score	93
Exons	2917..3144, 2950..3144, 2960..3151, 3140..3301, 3145..3405		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o5.tm	Method	TBLASTX:Maize
Start	3098	End	3393
GI	none	Score	50
Exons	3098..3151, 3100..3144, 3145..3393, 3146..3295		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o8.tw	Method	TBLASTX:Wheat
Start	3562	End	3984
GI	none	Score	107
Exons	3562..3750, 3563..3724, 3790..3984, 3836..3967		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o7.tm	Method	TBLASTX:Maize
Start	3667	End	3943
GI	none	Score	77
Exons	3667..3942, 3842..3943, 3851..3943		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o6.tm	Method	TBLASTX:Maize
Start	4291	End	4623
GI	none	Score	112
Exons	4291..4623, 4339..4623, 4436..4606		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o7.tw	Method	TBLASTX:Wheat
Start	4504	End	4867
GI	none	Score	96
Exons	4504..4863, 4505..4738, 4763..4867		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o2.gp	Method	AAT/GAP
Start	16958	End	17024
GI	3421_1.R1084	Score	66
Exons	16958..17024		
GI Descrip.	'4097587 4.0e-37 (U64926) NTGP5 [Nicotiana tabacum]'		

Seq. No.	26953	Seq. ID	OJ000113_28.0218.C16
Gene No.	55867	Strand	-
Start	17420	End	17684
Name	OJ000113_28.0218.C16.o4.gs	Method	GENSCAN
Start	17420	End	17684
GI	none	Score	.91
Exons	17420..17499, 17547..17684		

Seq. No.	26954	Seq. ID	OJ000113_28.0218.C17
Gene No.	55868	Strand	+
Start	238	End	2076
Name	OJ000113_28.0218.C17.o1.np	Method	AAT/NAP
Start	238	End	2076
GI	6498434	Score	51
Exons	238..344, 2046..2076		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	26954	Seq. ID	OJ000113_28.0218.C17
Gene No.	55868	Strand	+
Start	238	End	2076
Name	OJ000113_28.0218.C17.o2.np	Method	AAT/NAP
Start	711	End	1055
GI	6573758	Score	120
Exons	711..1055		
GI Descrip.	(AC009243) F28K19.8 [Arabidopsis thaliana]		

Seq. No.	26954	Seq. ID	OJ000113_28.0218.C17
Gene No.	55868	Strand	+
Start	238	End	2076
Name	OJ000113_28.0218.C17.o1.tm	Method	TBLASTX:Maize
Start	798	End	1002
GI	none	Score	155
Exons	798..935, 801..983, 815..982, 936..1001, 939..1001, 943..1002, 982..1002		

Seq. No.	26955	Seq. ID	OJ000113_28.0218.C18
Gene No.	55869	Strand	+
Start	1	End	1505
Name	OJ000113_28.0218.C18.o1.np	Method	AAT/NAP
Start	1	End	1505
GI	2739371	Score	68
Exons	1..71, 569..683, 1369..1505		
GI Descrip.	(AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	26956	Seq. ID	OJ000113_28.0218.C19
Gene No.	55870	Strand	+
Start	35	End	223

Name	OJ000113_28.0218.C19.o1.gs	Method	GENSCAN
Start	35	End	223
GI	none	Score	.64
Exons	35..223		

Seq. No.	26957	Seq. ID	OJ000113_28.0218.C20
Gene No.	55871	Strand	+
Start	134	End	619
Name	OJ000113_28.0218.C20.o1.gp	Method	AAT/GAP
Start	134	End	604
GI	uC-osflcyp154b11b1	Score	909
Exons	134..604		
GI Descrip.	'4521189/dbj|AB013448.1|AB013448 0.0e+00 Oryza sativa gene for Pib, complete cds'		

Seq. No.	26957	Seq. ID	OJ000113_28.0218.C20
Gene No.	55871	Strand	+
Start	134	End	619
Name	OJ000113_28.0218.C20.o1.gs	Method	GENSCAN
Start	346	End	619
GI	none	Score	.61
Exons	346..619		

Seq. No.	26958	Seq. ID	OJ000113_28.0218.C21
Gene No.	55872	Strand	+
Start	126	End	311
Name	OJ000113_28.0218.C21.o1.gs	Method	GENSCAN
Start	126	End	311
GI	none	Score	.49
Exons	126..311		

Seq. No.	26959	Seq. ID	OJ000113_28.0218.C23
Gene No.	55873	Strand	-
Start	317	End	390
Name	OJ000113_28.0218.C23.o1.gs	Method	GENSCAN
Start	317	End	390
GI	none	Score	.52
Exons	317..390		

Seq. No.	26960	Seq. ID	OJ000113_25.0223.C1
Gene No.	55874	Strand	-
Start	1	End	3091
Name	OJ000113_25.0223.C1.o1.np	Method	AAT/NAP
Start	1	End	1393
GI	6322192	Score	165
Exons	1..42, 1086..1285, 1358..1393		
GI Descrip.	Mph1p gi|731905|sp|P40562|YIS2_YEAST PUTATIVE ATP-DEPENDENT RNA HELICASE YIR002C gi|626348|pir||S48436 hypothetical protein YIR002c - yeast (Saccharomyces cerevisiae) gi|557851|emb|CAA86204| (Z38062) orf, len: 993, CAI: 0.16 possible ATP dependent RNA helicase [Saccharomyces cerevisiae]		

Seq. No.	26960	Seq. ID	OJ000113_25.0223.C1
Gene No.	55874	Strand	-
Start	1	End	3091
Name	OJ000113_25.0223.C1.o1.gs	Method	GENSCAN
Start	293	End	3091

GI	none	Score	.6
Exons	293..400, 488..783, 1159..1285, 3034..3091		

Seq. No.	26961	Seq. ID	OJ000113_25.0223.C2
Gene No.	55875	Strand	+
Start	23	End	1463
Name	OJ000113_25.0223.C2.o1.np	Method	AAT/NAP
Start	23	End	1463
GI	6721561	Score	112
Exons	23..128, 1420..1463		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	26961	Seq. ID	OJ000113_25.0223.C2
Gene No.	55875	Strand	+
Start	23	End	1463
Name	OJ000113_25.0223.C2.o2.np	Method	AAT/NAP
Start	884	End	1071
GI	6729552	Score	93
Exons	884..1071		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	26961	Seq. ID	OJ000113_25.0223.C2
Gene No.	55876	Strand	-
Start	1	End	1387
Name	OJ000113_25.0223.C2.o3.np	Method	AAT/NAP
Start	1	End	1387
GI	6539588	Score	214
Exons	1..70, 1078..1387		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	26961	Seq. ID	OJ000113_25.0223.C2
Gene No.	55876	Strand	-
Start	1	End	1387
Name	OJ000113_25.0223.C2.o1.gs	Method	GENSCAN
Start	533	End	1356
GI	none	Score	.63
Exons	533..666, 909..1010, 1285..1356		

Seq. No.	26962	Seq. ID	OJ000113_25.0223.C3
Gene No.	55877	Strand	-
Start	698	End	1511
Name	OJ000113_25.0223.C3.o1.gs	Method	GENSCAN
Start	698	End	1456
GI	none	Score	.87
Exons	698..920, 1233..1456		

Seq. No.	26962	Seq. ID	OJ000113_25.0223.C3
Gene No.	55877	Strand	-
Start	698	End	1511
Name	OJ000113_25.0223.C3.o1.np	Method	AAT/NAP
Start	698	End	1511
GI	4416302	Score	832
Exons	698..1511		